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# north. georgia college

Senior Military College of Georgia  
part of The University System of Georgia

# NOTICE OF RESPONSIBILITIES

## Institutional

1. North Georgia College does not discriminate on the basis of handicap in violation of Section 504 of the Rehabilitation Act of 1973. This nondiscrimination policy applies to admission or access to, or treatment, or employment in, its programs and activities.
2. No person shall, on the ground of sex, age, creed, race, national origin, or handicap, be excluded from participation in or be denied the benefits of, or subject to discrimination under any program or activity conducted by North Georgia College.
3. North Georgia College is an affirmative action/equal opportunity institution.

**NOTE:** The Bulletin employs the generic masculine pronouns to indicate members of either sex.

## Student

1. It is important that each student note that it is his/her responsibility to keep himself/herself apprised of current graduation requirements for his/her particular degree program.

The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and North Georgia College. The College reserves the right to change any provision listed in this catalog, including, but not limited to academic requirements for graduation, without actual notice to individual students.

2. It is important that each student satisfy his/her financial obligations to North Georgia College. The College reserves and intends to exercise its right to withhold copies of educational records and/or to disenroll students who owe money to the College.

## ANNUAL NOTICE OF PRIVACY RIGHTS

This institution is covered by the Family Educational Rights and Privacy Act of 1974 (FERPA), which is designed to protect the student's rights with regard to educational records maintained by the institution. Under this Act, a student has the following rights:

1. *the right to inspect and review education records maintained by the institution that pertain to the student;*
2. *the right to challenge the content of records on the grounds that they are inaccurate, misleading or a violation of privacy or other rights; and*
3. *the right to control disclosures from the education records with certain exceptions.*

A written policy detailing how North Georgia College will comply with the provisions of the Act is on file in the Office of the Registrar. Students also have the right to file complaints with the FERPA Office of the Department of Health, Washington, D.C. 20201 regarding alleged violations of the Act.

# NORTH GEORGIA CATALOG

## Third Biennial Edition

Series 50 and 51, September, 1983 - August, 1985



This bulletin is your guide to North Georgia College. Pages 1 through 59 contain general information applicable to all students. The remainder of the book contains information about particular areas of study.

For clarification of/or additional information about any part of this book, please contact the Director of Admission, North Georgia College, Dahlonega, Georgia, 30597 or 404-864-3391.



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# CALENDAR 1983-84

## FALL QUARTER, 1983

September 11, 12, 13 (Sunday, Monday, Tuesday) .....	Oriental (INTRO)
September 13-18 (Tuesday-Sunday) .....	Military Orientation
September 15 (Thursday) .....	Student Advisement
September 16 (Friday) .....	Late Registration
September 19 (Monday) .....	First Day of Classes
September 21 (Wednesday) .....	Final Day for Changing Schedules
October 21 (Friday) .....	Last Day for Drop With W
October 24 (Monday) .....	Mid-Term Grade Reports Due
November 7-10 (Monday-Thursday) .....	Advisement
November 8-11 (Tuesday-Friday) .....	Registration
November 24-25 (Thursday-Friday) .....	Thanksgiving Recess
November 30-December 2 (Wednesday, Thursday, Friday) .....	Examinations
December 5 (Monday) .....	Final Grade Reports Due

\*Thanksgiving Recess begins at 12:00 Noon on Wednesday, November 23.

## WINTER QUARTER, 1984

January 2 (Monday) (1:00-5:00 p.m.) .....	Student Advisement
January 3 (Tuesday) .....	Late Registration/First Day of Classes
January 5 (Thursday) .....	Final Day for Changing Schedules
February 6 (Monday) .....	Last Day for Drop With W
February 7 (Tuesday) .....	Mid-Term Grade Reports Due
February 13-16 (Monday-Thursday) .....	Advisement
February 14-17 (Tuesday-Friday) .....	Registration
March 13, 14, 15 (Tuesday, Wednesday, Thursday) .....	Examinations
March 16 (Friday) .....	Final Grade Reports Due

## SPRING QUARTER, 1984

March 26 (Monday) .....	Late Registration/First Day of Classes
March 28 (Wednesday) .....	Final Day for Changing Schedules
April 27 (Friday) .....	Last Day for Drop With W
April 30 (Monday) .....	Mid-Term Grade Reports Due
May 4 & 7 (Friday and Monday) .....	Advisement
May 7-8 (Monday, Tuesday) .....	Registration
May 11-16 (Friday, Monday-Wednesday) .....	Fall Advisement
May 14-17 (Monday-Thursday) .....	Fall Registration
June 3 (Sunday) .....	Commencement
June 4-6 (Monday-Wednesday) .....	Examinations
June 7 (Thursday) .....	Final Grade Reports Due

## SUMMER QUARTER, 1984\*

June 14 (Thursday) .....	Late Registration
June 15 (Friday) .....	First Day of Classe
June 18 (Monday) .....	Final Day for Changing Schedule
July 4 (Wednesday) .....	Independence Day Reces
July 13 (Friday) .....	First Day of Class - Second Summer Session
July 23-24 (Monday, Tuesday) .....	Advisemen
July 24-25 (Tuesday-Wednesday) .....	Registration
August 9-11 (Thursday-Saturday) .....	Examination
August 13 (Monday) .....	Final Grade Reports Du

\*65 minute classes.

# CALENDAR 1984-85

## FALL QUARTER, 1984

September 9, 10, 11 (Sunday, Monday, Tuesday) .....	Orientalion (INTRO)
September 11-16 (Tuesday-Sunday) .....	Military Orientation
September 13 (Thursday) .....	Student Advisement
September 14 (Friday) .....	Late Registration
September 17 (Monday) .....	First Day of Classes
September 19 (Wednesday) .....	Final Day for Changing Schedules
October 19 (Friday) .....	Last Day for Drop With W
October 22 (Monday) .....	Mid-Term Grade Reports Due
November 5-8 (Monday-Thursday) .....	Advisement
November 6-9 (Tuesday-Friday) .....	Registration
November 22-23 (Thursday-Friday) .....	Thanksgiving Recess*
November 28-30 (Wednesday, Thursday, Friday) .....	Examinations
December 3 (Monday) .....	Final Grade Reports Due

\*Thanksgiving Recess begins at 12:00 Noon on Wednesday, November 21.

## WINTER QUARTER, 1985

January 2 (Wednesday) (1:00-5:00 p.m.) .....	Student Advisement
January 3 (Thursday) .....	Late Registration/First Day of Classes
January 7 (Monday) .....	Final Day for Changing Schedules
February 6 (Wednesday) .....	Last Day for Drop With W
February 7 (Thursday) .....	Mid-Term Grade Reports Due
February 13-15, 18 (Wednesday-Friday, Monday) .....	Advisement
February 14, 15, 18, 19 (Thursday, Friday, Monday, Tuesday) .....	Registration
March 14, 15, 16 (Thursay, Friday, Saturday) .....	Examinations
March 18 (Monday) .....	Final Grade Reports Due

## SPRING QUARTER, 1985

March 25 (Monday) .....	Late Registration/First Day of Classes
March 27 (Wednesday) .....	Final Day for Changing Schedules
April 26 (Friday) .....	Last Day for Drop With W
April 29 (Monday) .....	Mid-Term Grade Reports Due
May 6 & 7 (Monday and Tuesday) .....	Summer Advisement
May 7-8 (Tuesday, Wednesday) .....	Summer Registration
May 13-16 (Monday, Thursday) .....	Fall Advisement
May 14-17 (Tuesday-Friday) .....	Fall Registration
June 2 (Sunday) .....	Commencement
June 3-5 (Monday-Wednesday) .....	Examinations
June 6 (Thursday) .....	Final Grade Reports Due

## SUMMER QUARTER, 1985\*\* CHANGE 1

16, 17, 18 (Sunday, Monday, Tuesday) .....	Orientalion (INTRO)
18 (Tuesday) .....	Late Registration
19 (Wednesday) .....	First Day of Classes
21 (Friday) .....	Final Day for Changing Schedules
4 & 5 (Thursday and Friday) .....	Independence Day Recess
19 (Friday) .....	Mid-Term Grade Reports Due
23-24 (Tuesday-Wednesday) .....	Advisement
24-25 (Wednesday-Thursday) .....	Registration
25-26 (Wednesday-Thursday) .....	Examinations
26 (Friday) .....	Final Grade Reports Due



HAWKINS

# INTRODUCTION



# INTRODUCTION TO NORTH GEORGIA COLLEGE

North Georgia College was founded in 1873 as a liberal arts college for men and women. It is a state supported senior unit of the University System of Georgia under the direction of the State Board of Regents. It is located in Dahlonega, Georgia, on the site of the original U.S. Government Gold Mint. Dahlonega, a town of about 3,000 people, is located in the foothills of the beautiful Blue Ridge Mountains—70 miles and 1½ hours north of Atlanta via GA 400 or I-85 and Georgia 60 through Gainesville.

The undergraduate student enrollment at North Georgia College is approximately 1,750, placing it in a medium size range with 80% of the students living in dormitories. The college is small enough for the individual to stand apart and be identified by the faculty and other students, yet with enough size to make varied and diversified programs possible. Being a state school, the majority of the students have graduated from Georgia high schools, but graduates from many different high schools from across the nation and around the world are also enrolled.

## CO-EDUCATIONAL NATURE

From its founding in 1873, North Georgia College has been co-educational. The majority of the women students are not involved in the military program, but they constitute approximately one-half of the total student enrollment. Women students may, however, participate in the ROTC program, and all undergraduate, male students living on campus must participate.

## STATEMENT OF PURPOSE

The purpose of North Georgia College is to provide an academically sound liberal arts education for all its students while at the same time providing its students an opportunity for preparation for a military career. If further recognizes that the vocational and professional needs of its students are best served on the senior college level through specialized programs of study built around a well-developed general education program.

In conjunction with the academic program, the College is designated as a Military College by the Department of the Army, and through its Military training program promotes the development of leaders for community, state, and national service.

Consistent with the foregoing, North Georgia College aspires more specifically:

- to stimulate and develop intelligent citizens for responsible leadership in society by providing an environment conducive to learning;

- to encourage investigation and research to enable students to succeed in graduate and professional study;

- to provide for and encourage the development of moral, social, cultural, physical and aesthetic appreciations as they relate and contribute to the total development of the individual;

- to provide sound semi-professional and professional programs for developing men and women with the capacity to satisfy their material needs through gainful employment.

- to serve and to be responsive to the needs of the community by the extension of educational services through the development of cultural activities and by sharing of professional expertise for community benefit;

- to encourage among the faculty the maintenance of a high level of scholarship, an interest in research and a continuing concern for the role of higher education in the betterment of society.

## UNIVERSITY SYSTEM OF GEORGIA

All state-supported institutions of higher learning in Georgia were combined into the greater University System of Georgia by legislative enactment at the regular session of the General Assembly in 1931. Under the articles of the Act, all existent boards of trustees were abolished and control of the System was vested in a Board of Regents with all the powers and rights of the former governing boards of the several institutions. Control of the System by the Board of Regents became effective January 1, 1932.

On January 18, 1950, the Board of Regents reaffirmed the position of North Georgia College as a senior unit of the University System by passing a resolution which reads in part as follows: "The North Georgia College at Dahlonega shall be continued as a college of arts and sciences at the bachelor's level and as the one institution in the Georgia System distinguished by its essentially military organization for men." This resolution remains unchanged.

## ACCREDITATION

North Georgia College, as a senior member of the University System of Georgia, is a fully accredited member of the Association of American College and Schools, the Association of Military Colleges and Schools, the Southern Association of Colleges, and the Association of Georgia Colleges.

Its work in the field of education is recognized and accredited by the National Council for Accreditation of Teacher Education (NCATE) and the Georgia State Department of Education.

The Associate of Science in Nursing Degree Program is approved by the Georgia Board of Nursing and accredited by the National League for Nursing.

The quality of the training offered in all departments has long enjoyed national recognition. A significant number of its graduates attend graduate and professional schools; and just as significantly, perhaps, is the fact that many of its military graduates, as they move into active service, go to military graduate school.

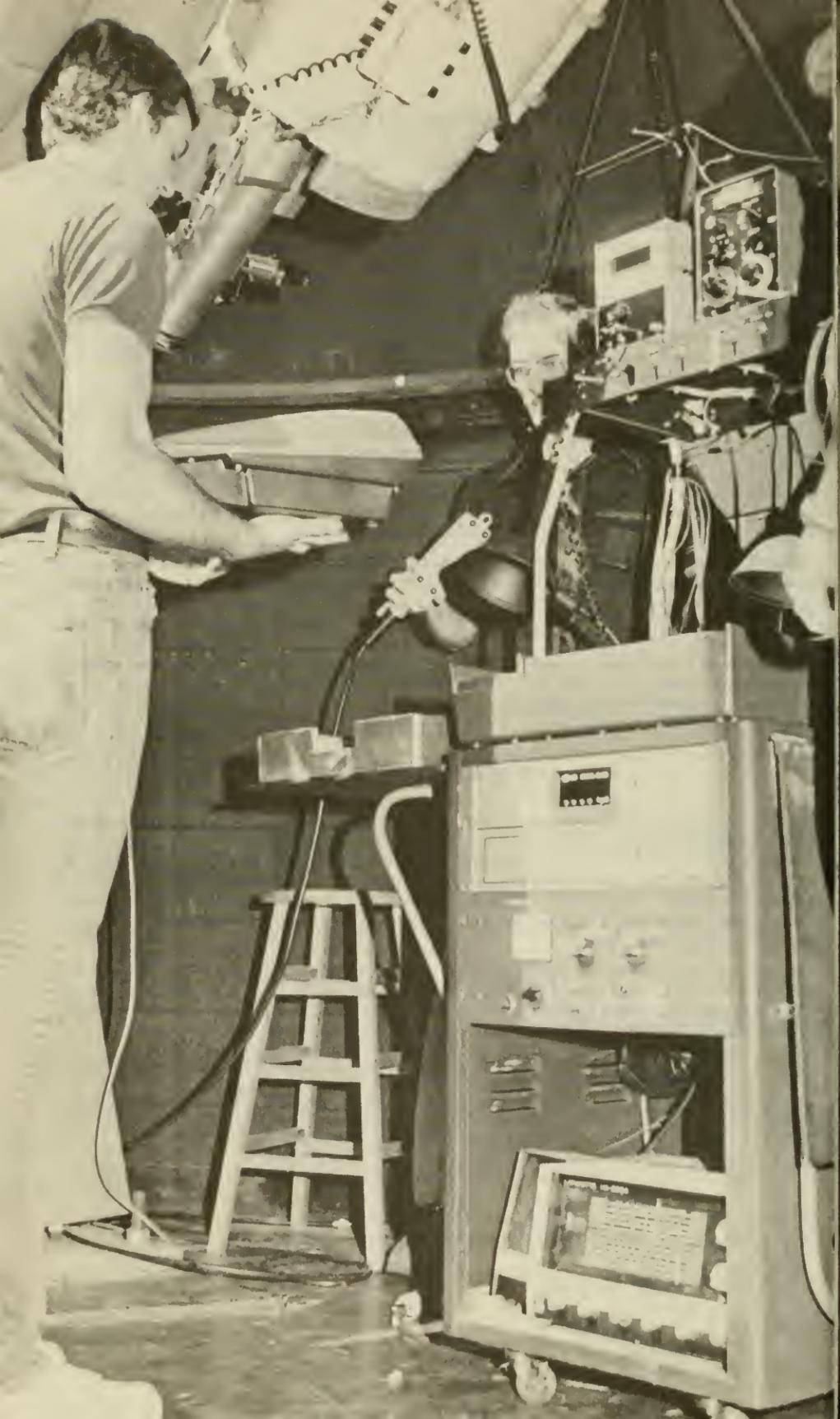
## LIBRARY SERVICES

Stewart Library is centrally located on the campus between Dunlap Hall and the Student Center. During the four academic quarters, the library is open week-ends and evenings for research, browsing and/or study. Housed here are well over 120,000 volumes, regular issues of nearly 1,000 magazines, newspapers and journals. Back issues are in bound volumes or on microfilm (including the New York Times daily from September, 1851 to date). Holdings also include some 1,800 sound recordings, as well as 8 and 16 mm films, cassettes, film loops, and other audio-visual materials.

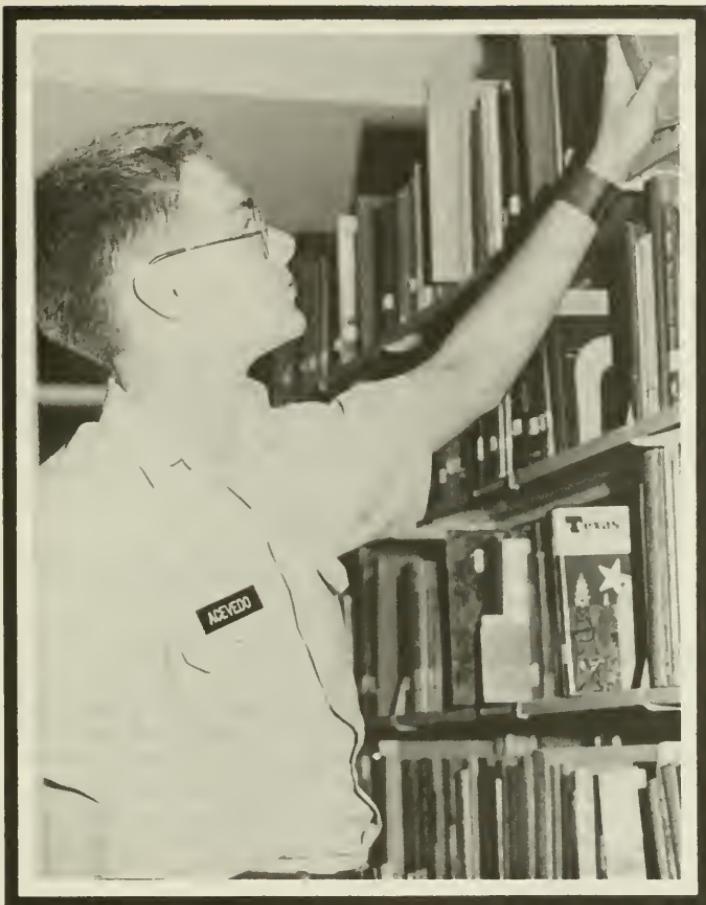
Facilities include: individual study carrels, a seminar/classroom, typing room, three small conference/study rooms, a stereo-equipped music listening room, microform reader-printers and a coin operated photocopy machine. An entrance ramp and wide-entrance elevator are provided for wheelchair access.

Professional librarians are always on duty to aid students in locating and using library materials. Interlibrary loan service provides access to materials from other libraries.

Library hours are posted in the lobby. Visitors are welcome during open hours. Library orientation tours or introductory tours for groups or individuals can be arranged.



# ACADEMIC PROGRAMS



# ACADEMIC PROGRAMS

North Georgia College offers a varied program of studies leading to the A.B., B.S., B.B.A., B.S.W. (Social Work), or M.Ed. Degree. Prior to specializing for the Degree, North Georgia provides a two-year basic curriculum in general education. This program includes English, Fine Arts, Modern Languages, Mathematics, Science, Social Sciences, Physical Education, and introductory courses related to various academic majors.

## BACHELOR OF ARTS (B.A.)

The Bachelor of Arts Degree is offered in Art, English, French, History, Mathematics, Political Science, Psychology and Sociology.

## BACHELOR OF SCIENCE (B.S.)

The Bachelor of Science Degree is offered in Art Education, Biology, Business Education, Chemistry, Computer Science, Craft Marketing, , Criminal Justice, Education (Early Childhood, Middle Grades, and Special Education — Mental Retardation, Interrelated, Learning Disabilities, and Behavior Disorders), Mathematics, Music Education, Physical Education, Physics, Political Science, Psychology, Recreation, Social Sciences and Sociology.

## BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)

The Bachelor of Business Administration degree is offered in Accounting, Economics, Finance, Management, Marketing, and Office Management.

## MASTER OF EDUCATION (M.Ed.)

North Georgia College offers the Master of Education Degree in Early Childhood Education, Elementary Education, Middle Grades Education, Special Education (Mental Retardation, Interrelated, and Learning Disabilities), and Secondary Education (Art, Behavioral Science, Business, Mathematics, Physical Education, Science, and Social Science).

Those interested in securing catalog information concerning graduate studies should write:  
Director of Graduate Study  
North Georgia College  
Dahlonega, Georgia 30597

## ASSOCIATE OF SCIENCE DEGREE

North Georgia College offers a variety of special programs leading to the Associate of Science Degree for those students who do not wish to pursue a Bachelor's Degree.

Those programs marked with an asterisk (\*) are taught through a cooperative arrangement with the Pickens Area Vocational-Technical School, Jasper, Georgia. In this cooperative program, students take basic education courses offered by the North Georgia faculty while pursuing technical-vocational training at the Pickens Area Vocational-Technical School. Those who complete dual programs receive the Associate of Science Degree. The programs in Office administration/secretarial science, accounting, and data processing will be supervised by the North Georgia College Department of Business Administration, and the programs in electronic technology, drafting, and design technology will be supervised by the Department of Physics.

Accounting\*  
Data Processing\*  
Design Technology\*

Drafting\*  
Electronic Technology\*  
Office Administration/Secretarial Science\*

The Associate Degree in Office Administration is offered both as a part of the cooperative program with the Pickens Area Vocational-Technical School and the regular offerings of the Department of Business Administration. Additionally, the college also offers a one year program in Secretarial Science.

Should an individual decide to pursue further studies, credit earned in these programs may be applied toward a baccalaureate degree in the appropriate fields. Students are referred to the respective supervisory departments for more information.

## ASSOCIATE DEGREE IN NURSING

A two-year training program leads to the Associate of Science Degree in Nursing. Academic instruction is given on the campus of North Georgia College, while clinical training is given in hospitals and nursing homes in the North Georgia area.

## GOVERNOR'S INTERN PROGRAM

North Georgia College cooperates fully with the Governor's Intern Program creating opportunities for students to be actively involved in specific projects in public agencies. Interns work within state and local agencies for a full quarter and may receive up to fifteen hours of academic credit for the intern experience. The course number 485 has been reserved for intern courses, and credit may be given in any department in the college with the permission of the department head and the Vice President for Academic Affairs. Application forms for this program are available in the Office of the Vice President for Academic Affairs.

## TEACHER CERTIFICATION

Teacher education students are certified through the State Department of Education. North Georgia College prepares students for certification through approved programs in Early Childhood Education, Elementary Education, Middle Grades Education, Special Education, Art Education, Health and Physical Education, Music Education, and at the Secondary level in—Biology, Business Education, Chemistry, English, French, History, Mathematics, Physics, Political Science, Psychology, and Sociology.

## DUAL DEGREE PROGRAMS WITH GEORGIA TECH AND CLEMSON

North Georgia College offers dual degree programs in engineering, computer science, and industrial management. The dual degree program in engineering is offered by the Departments of Chemistry, Mathematics, and Physics. The dual degree program in computer science is offered by the Department of Mathematics and Computer Science. The dual degree program in industrial management is offered by the Department of Business Administration. These programs are offered to provide students with the opportunity to develop a strong liberal arts background before completing academic coursework at another institution.

The student will normally attend North Georgia for approximately three years and then either Georgia Tech or Clemson University for an additional two years. Upon completion of study in this program, the successful student will receive a bachelor's degree in any one of a number of fields from Georgia Tech or Clemson University or a M.S. in Industrial Management from Georgia Tech.

*Dual Degree Programs in Engineering* are offered in association with Georgia Institute of Technology (Georgia Tech) and Clemson University in which a student may be awarded the bachelor's degree from North Georgia College and a bachelor's degree from Clemson or Georgia Tech.

A *Dual Degree Program in Computer Science* is offered in association with Georgia Tech in which a student may be awarded the bachelor's degree from North Georgia College and a bachelor's degree from Georgia Tech.

## **North Georgia College**

*A Dual Degree Program in Industrial Management* is offered in association with Georgia Tech in which a student may be awarded a B.B.A. in Management from North Georgia College and either a B.S.I.M. or M.S.I.M. from Georgia Tech.

### **PRE-PROFESSIONAL STUDY**

In addition to Bachelor Degree Programs, the college offers pre-professional study in the following areas: Pre-law; Pre-medical Technology and a variety of two-year pre-professional programs in areas of Allied Health.

### **CONTINUING EDUCATION—PUBLIC SERVICE**

Accepting a statewide commitment of the University System, North Georgia College initiated its public service-continuing education program in 1971. The college campus is available to various non-college related groups for meetings and activities during the year, and the college itself sponsors other programs for special groups or the public-at-large.

A non-credit short course program is offered quarterly, and the number and nature of courses are based on student demand. Students who satisfactorily complete some courses are credited with Continuing Education Units (CEU's), the measure of participation. A record of this participation is kept in the Registrar's Office. Generally, the courses meet in the evening.

This program concentrates on courses of practical, personal benefit to the student and includes subjects with a vocational and avocational application. The purpose of these activities is to allow full accessibility to North Georgia College to the general public.

### **ACADEMIC YEAR**

North Georgia College operates on a four-quarter system (Fall, Winter, Spring, and Summer). The summer quarter differs from the others only in the nature of the work offered, taking into account the needs of teachers in service and others who need specialized work. Freshmen may enter any quarter. Almost all required freshman and sophomore subjects are offered every quarter.

### **INTERCOLLEGIATE AND INTRAMURAL SPORTS PROGRAM**

The college considers physical fitness vital to a completely satisfactory college life. Provisions are made to include the maximum number of students in the maximum number of activities throughout the entire year. Intercollegiate teams are fielded annually in men's and women's basketball and tennis; men's soccer; women's volleyball, women's softball, and rifle marksmanship, which is open to both sexes.

The Intramural Sports Program is a comprehensive and traditional part of the North Georgia campus activities. It involves most of our men and women students. Among the more popular activities are tackle football, volleyball, tennis, basketball, table tennis, track and field, softball, badminton and rifle marksmanship.

# THE MILITARY PROGRAM



# THE MILITARY PROGRAM

## HISTORY

From the time of its founding in 1873, North Georgia College has been a military institution dedicated to these propositions:

- a. The freedom and security which each of us as citizens of the United States enjoys can continue only so long as our country remains secure and prosperous.
- b. With the rights and privileges of citizenship, each individual assumes certain responsibilities, and among these is an obligation to be prepared to serve in the defense of the United States if needed.
- c. Our national security requires the support of a dedicated military establishment, which, in turn, requires a continuing source of officers who have the intellectual, moral and physical attributes to perform effectively in a wide variety of leadership, management and administrative positions.
- d. Military instruction and training, through emphasis on cooperation, responsiveness, loyalty, appearance, self-confidence, and personal responsibility, provides valuable preparation for the successful pursuit of all careers, military or civilian.

The record of North Georgia College as a military institution has been distinguished through the years. Graduates of the college enjoy a prestigious reputation established by their predecessors in civilian life and the military service.

## CURRENT STATUS

North Georgia College is one of only four senior colleges in the United States classified as a Military College (MC) by Department of the Army. In accordance with the criteria for Military Colleges, North Georgia College requires that:

- a. All male resident students become members of the Corps of Cadets, a military type organization with a proud history.
- b. All members of the Corps wear the distinctive uniform and participate in the military program provided at the college.
- c. Members of the Corps abide by regulations, similar to those maintained by the service academies, which establish high standards for personal conduct and appearance, protect the rights of each cadet, and engender a strong sense of personal responsibility and self discipline.

## WOMEN IN ROTC

Women students may participate in the ROTC Program and may advance to a commission in the Regular Army or U.S. Army Reserve. Those women who select to participate are required to become members of the Corps of Cadets. Women cadets are assigned to various units of the Corps of Cadets and are housed in a section of the women's dormitories. Women cadets participate in Military Science classes and training with the male cadets. All rules and regulations pertaining to the male members of the Corps of Cadets are equally applied to the women in the Corps.

## MILITARY INSTRUCTION

Formal military instruction is conducted by the Department of Military Science. This department is staffed with well qualified personnel by Department of the Army to conduct military science instruction in the classroom and during leadership laboratory periods. Detailed infor-



mation on military science courses is provided in the section devoted to course offerings by academic departments. Graduation of resident male students from North Georgia College includes the requirement for successful completion of 18 hours of Military Science instruction unless exempted by the Vice President for Academic Affairs upon the recommendation of the Professor of Military Science. For the fulfillment of this requirement, all male students living in college residence halls, including those transferring in from other institutions, are required to successfully complete a Military Science class each quarter.

## OPPORTUNITY FOR COMMISSION AS AN ARMY OFFICER

Every physically qualified student has the opportunity to compete for a commission as an officer in either the Regular Army or the US Army Reserve through the Reserve Officer Training Corps (ROTC) program. Although all male resident students must participate in the military program, including classroom courses in military science for academic credit, earning a commission is both voluntary on the part of the individual and selective by Department of the Army.

Men and women students who desire to earn a commission and who are accepted in the ROTC program are placed on contract with the Army, normally at the beginning of the junior year. In return for agreeing to serve on active duty as an officer for three years if needed, the student on contract receives a non-taxable allowance of \$100.00 per month for up to twenty months while in college. Contract students attend a six-weeks ROTC summer camp between the junior and senior years of college. The student is reimbursed for travel expenses to and from the camp and is paid during the camp period at one-half the current rate of Second Lieutenants in the Army.

ROTC contract students may apply to be commissioned in the Regular Army at graduation under two programs. One is the ROTC scholarship program. All students on ROTC Scholarship have the opportunity to apply for competitive selection for the Regular Army commission. Secondly, each year The Department of the Army authorizes the selection of a number of outstanding senior students to be designated Distinguished Military Students (DMS). Students so chosen must be on contract to earn a commission, be in the upper half of their class

academically, stand in the upper third in military science studies, and demonstrate outstanding potential for service as an officer. Students designated DMS may apply for competitive selection for the Regular Army commission.

## THE CORPS OF CADETS



North Georgia College, being a military college, requires that all resident male students participate in the Corps of Cadets. In order to facilitate administration and training, the Corps is organized into a brigade of two or more battalions, each consisting of two or more companies. Immediately upon reporting to the college, the new cadet is assigned to a company. This unit quickly becomes the focal point for the new cadet's life on campus. It becomes his "home away from home" and provides an immediate social stability in a new environment. It also provides through upper classmen an opportunity for academic coaching. Additionally, the company provides the structure around which a spirited intramural sports program is developed and implemented. At the end of each academic quarter, the competition between companies in the Corps ends with the designation of Honor Company—that unit receiving the highest combined score in academics, athletics, military training and unit administration.

The "cadet system" of control prevailing within the Corps is a specialized system of student government in which there is extensive, direct, and continuous involvement of the cadets in the management of their own affairs. In this system, the conduct of cadets and most of the activities of the organizations within the Corps are the responsibilities of the cadet officers and noncommissioned officers. Thus, for all students seeking responsibilities and involvement, North Georgia College offers outstanding opportunities in both areas.

All cadets may and are encouraged to compete for leadership positions. In selecting individuals for positions of responsibility, consideration is given to demonstrated interest, motivation, military knowledge, academic standing (minimum requirement: C average), leadership potential and individual conduct records. Eligibility for advancement in rank parallels advancement in academic class standings. For example, noncommissioned officers are selected from the sophomore and junior classes, while cadet officers are selected from the senior class.

In the performance of their duties, cadet officers and noncommissioned officers are expected to set the example in appearance, conduct, and compliance with college approved Corps regulations, and they are expected to enforce these regulations in a fair and impartial manner so as to promote respect, morale and sound discipline. A copy of Corps regulations, known as the Blue Book, is made available to each cadet within the first week after reporting.

Membership in the Corps of Cadets is open to all students who are admitted to the College except certain aliens and those whose physical condition, as judged by the College Surgeon and the Commandant acting jointly, is determined to be inconsistent with requirements for normal participation in marching formation and living in cadet dormitories without special assistance, equipment or diet.

Cadets may earn the privilege of wearing appropriate civilian clothing after 6:00 p.m.

## MILITARY UNIFORMS

The distinguishing mark of a North Georgia College cadet is the college uniform. The use of the uniform produces a decided cost savings while at North Georgia College, since only a minimum amount of civilian clothing is needed. Upon enrollment, the new cadet is issued all major items of the required uniforms. After initial issue, it is the responsibility of the cadet to maintain the uniform and replace lost or damaged clothing items.

An initial uniform fee of \$100 is required by the college before uniforms are altered or issued. This modest fee is necessary to defray the cost on non-returnable items, alterations, and other administrative costs incurred in the purchase of cadet uniforms. At the beginning of the junior year, all items become the property of the student, except ROTC insignia and those items that are Army issue.

Cadets who sign a ROTC contract will be issued additional clothing items to include a complete dress blue uniform.

Army Regulations and college policies with regard to uniforms are subject to changes without notice and are all inclusive. College catalogs and other printed material reflect only the regulations and policies in effect at the time of printing.

## RECOMMENDED PERSONAL CLOTHING AND EQUIPMENT FOR CADETS:

The following items of *required* clothing and personal equipment must be purchased by the cadet. Quantities are, however, recommended only. Coin operated washers and dryers are available, but cadets who choose to use a commercial laundry may need additional quantities.

2 ea. Blankets, OD color	2 pr. Shoe Trees
*1 ea. Bathrobe	1 pr. Shoes, Athletic or Tennis
6 ea. Handkerchiefs, White	1 pr. Swim Trunks (NGC)
1 ea. PE Uniform (NGC)	1 pr. Shower Shoes
*1 ea. Pillow	3 pr. Socks, Athletic
*2 ea. Pillowcase, White	2 ea. Supporters, Athletic (male only)
*1 ea. Shaving Kit	8 ea. Tee Shirts, White, Round Neck
*4 ea. Sheets, Single Bed Flat White	4 ea. Towels, White, Bath Size
1 ea. Shoe Shine Kit with Brush	8 pr. Underwear, White
	2 ea. Washcloths, White

Cadets may purchase the following items which are suggested but not *required*.

1 ea. Alarm Clock	2 ea. Boxes (Cigar Size) for brass & supplies
*1 ea. Iron	2 pr. Civilian Clothing - 1 casual - 1 dress
1 ea. Electrical Extension Cord	*1 ea. Lock - to secure footlocker
*2 Dz. Coat Hangers	1 ea. Sewing Kit (Buttons, etc.)
*1 pr. Pajamas	1 bx. Cleaning Supplies for tile floors, windows and brass
1 bx. Stationery and stamps	
1 ea. Clothes Brush to remove lint from wool uniforms	

These items are not available at the College Bookstore.

The following convenience items are restricted to one per room. Cadets should not bring these items initially. After reaching an agreement with their roommate, they may bring these point usage items upon return from their first visit home.

## **North Georgia College**

\*Radio, Record Player or Stereo (Size limited to 15" x 26")

\*Ironing Board

\*Electric Fan

\*Coffee Pot

\*Refrigerator (Size limited to 36" high - Rentals available on campus)

\*These items are not available at the College Bookstore.

## **ACCEPTANCE OF TRANSFER STUDENTS INTO ROTC**

Juniors transferring from colleges and universities which do not offer an ROTC program may choose one of two courses of action. If a commission in the US Army is not desired, the transferee will attend selected military science classes chosen because of their universal application and interest. Transferees desiring an Army Commission will either be required to compress the basic (MSI and II) military science courses or to attend a six-week basic ROTC camp conducted by the Army.

Those male students who transfer to North Georgia College with senior class rank without credit in Basic Military Science may be excused from ROTC classroom work.

Freshmen or transfer students who have had two or more years of Junior ROTC in high school may be granted constructive credit for some or all of the freshman and sophomore level military science courses with the approval of the Professor of Military Science.

Prior to uniform issue or alterations, transfer juniors and seniors who elect not to sign a contract are required to make a uniform payment of \$100 to partially defray the cost of the uniforms.

Prior service military personnel interested in pursuing a commission in the Army may be given constructive credit for freshman and sophomore military science courses by the Professor of Military Science. Students with prior military service who meet the qualifications for commuter status may be allowed to live off campus and may be exempt from participation in the military program.

## **ARMY ROTC SCHOLARSHIP (MEN AND WOMEN)**

Army ROTC Scholarships are available on a competitive basis to men and women students for four, three, and two year periods. These scholarships cover all tuition and fees, textbooks, and school supplies. In addition, since scholarship winners are on contract to earn a commission, a monthly subsistence allowance of \$100 is provided to each individual. Three and two year scholarship nominees are selected from among applicants enrolled at North Georgia College by a faculty board. Those students selected are recommended in order of merit to the Department of the Army for final selection. Four year scholarships are nationally competitive and applications by interested individuals must be submitted early in the senior year of high school. Those interested in a four year ROTC scholarship should contact their high school counselor for detailed information on application procedures.

## **THE GEORGIA MILITARY SCHOLARSHIP**

North Georgia College/Georgia Army National Guard Military Scholarships are competitively available to Georgia high school seniors with a minimum SAT score of 1000 and a 3.5 high school average. These scholarships cover all costs for room, board, matriculation fees, books, and uniform fees. The scholarship winners serve in a pay status in the Georgia Army National Guard while at North Georgia College and upon graduation accept a commission and serve not less than four additional years in the Georgia Army Guard or the active Army upon concurrence of the State Adjutant General. A student should contact a local member of the Georgia General Assembly early in his/her senior year for an application and nomination. Completed applications must be returned to the legislator before 1 December. From each congressional district, a total of five nominees will be selected by the Georgia Student Finance

Commission for submission to the Scholarship Selection Committee. This committee will select one qualified scholarship winner from each district. First and second alternate candidates will also be designated. Notification of winners will be made by 1 March. In the event a qualified applicant is not nominated from a district, a nominee may be selected from another district. Vacated scholarships will be filled for a remaining one, two or three years.

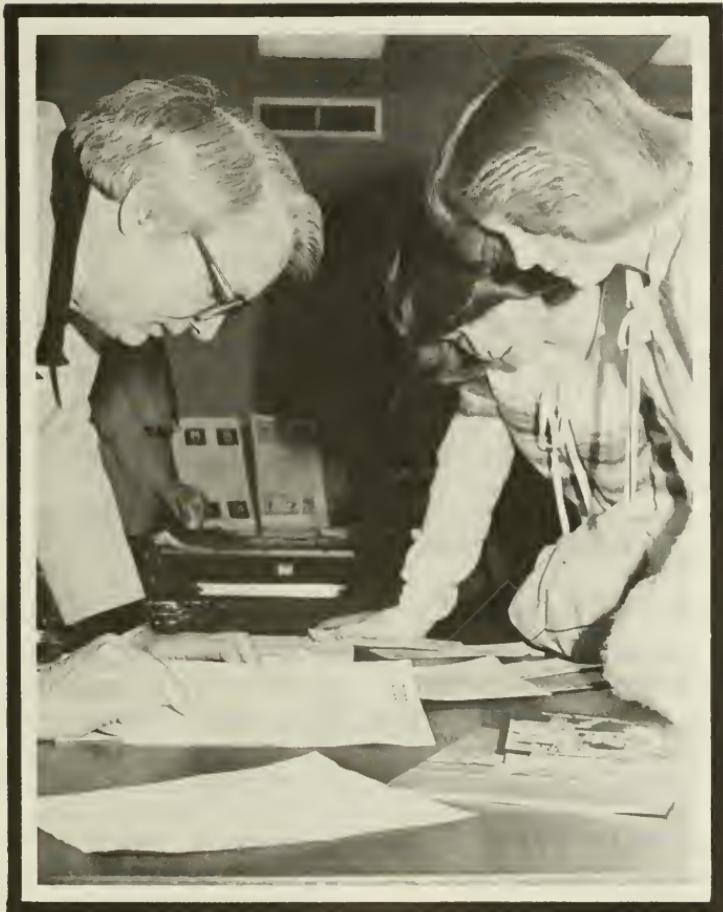
### NORTH GEORGIA COLLEGE ROTC GRANT

All Georgia residents enrolled for a full academic course load and participating in the North Georgia College ROTC Program are eligible for a \$300 per year grant. This award is automatic and is funded by the State of Georgia at the rate of \$100 per quarter.





# ADMISSION



# ADMISSION

A person who wishes to enroll as a student at North Georgia College should file an application form which can be secured from the Director of Admissions. This form should be completed and sent to the College at least twenty (20) days prior to the beginning of the quarter for which the application is made. This application form, along with the high school transcript, should be returned to the Director of Admissions. The applicant is also required to complete the Scholastic Aptitude Test (SAT) given by the College Entrance Examination Board and have his test scores sent to the college. Information regarding this test may be secured from high school counselors, any unit of the University System of Georgia, or from the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey. The applicant should have his high school counselor supply a transcript of his record. Students transferring from other colleges or universities should arrange with the Registrar to forward transcripts of credit earned.

An application for admission to the college will be considered only when all of the information described above has been assembled. Before acceptance, an applicant must have a predicted grade point average which indicates he is capable of carrying out effectively the academic programs of the college. This predicted academic average is based on the applicant's high school record and SAT scores.

In some instances, the applicant may be requested to come to Dahlonega for testing and interviewing by the Admissions Committee. If required, the Director of Admissions will notify the applicant of the time and place of the interview.

The college reserves the right to refuse applicants when it appears that the number of students already accepted will fill the college to its capacity.

## REGULAR ADMISSION

1. The applicant must be at least sixteen years old on or before the registration date. He must be of good moral character.
2. The applicant must show that he meets at least one of the following conditions:
  - (a) That he is a graduate of an accredited high school or a high school that is approved by the college and that he has completed the work specified in Section 3 below.
  - (b) That he has passed satisfactory entrance examinations prescribed by the college.
3. A required minimum of sixteen units (240 quarter hours) of high school work must be completed.

The following specific units should be submitted by applicants for a Bachelor's Degree program.

English .....	4 (60 quarter hours)
Algebra and/or Geometry .....	2 (30 quarter hours)
Social Studies .....	2 (30 quarter hours)
Science.....	2 (30 quarter hours)
Additional Academic Units .....	4 (60 quarter hours)

The College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when it is determined through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory.

Students who have been unable to schedule required courses should write to the Director of Admissions for information on ways of making up credit deficiencies.

4. A completed medical form is not required for acceptance. However, we strongly recommend that you have your physician complete the form so that North Georgia

College's medical staff can properly plan for the care of all students. You may forward the completed form with your application or at a later date. This form is especially important in those cases where the student has some condition requiring special assistance from the college.

5. A \$10.00 application fee is charged students applying to the college for the first time. This fee is not refundable and does not apply toward other college fees. After a student is accepted for admission to the college, he is asked to make a room reservation deposit of \$25.00.

For students entering the college in the Summer or Fall Quarters, the deposit is due by May 1st. If the acceptance occurs after May 1st, the deposit is due at the time of acceptance. If an accepted student decides to cancel his reservation, the deposit is refunded upon request, provided the notification of cancellation is received by the Admissions Office prior to August 1 for the Fall, December 1 for Winter, February 15 for Spring Quarter, and May 15 for Summer Quarter.

6. Students whose college entrance tests and/or high school academic record will not allow for regular admission to the College may be admitted as Developmental Studies students. These students will undergo a battery of tests and may be placed in non-credit Developmental Studies courses to prepare them for college level work. Admission to North Georgia College is conditional, and these students may be enrolled in college-level academic work for credit only after having successfully passed specific additional admissions tests or having successfully completed Developmental Studies Courses.

In special instances, Developmental Studies Students may be enrolled in specifically selected courses with the approval of the Head of the Department of Developmental Studies.

#### **NO REGULARLY ADMITTED STUDENT WILL BE REQUIRED TO TAKE NON-CREDIT DEVELOPMENTAL COURSES.**

#### **EARLY ADMISSIONS**

North Georgia College will allow certain high school students to enter college under the Early Admissions Plan. Students applying under this plan should have completed the eleventh grade and have credit for at least 13 of the 14 academic units required under the section for regular admission. Such students should present at least a B average or better, good SAT Scores, and an unqualified recommendation from the high school counselor or principal.

#### **LEGAL RESIDENT REQUIREMENTS**

A student is responsible for registering under the proper residency classification. A student classified as a nonresident who believes that he/she is entitled to be reclassified as a legal resident may petition the Registrar for a change in status. If the petition is granted, reclassification will not be retroactive to prior quarters. The necessary forms for this purpose are available in the Registrar's office.

In order to register at North Georgia College as a legal resident of the State of Georgia, a student must meet certain requirements set forth by the Board of Regents of the University System of Georgia.

1. (a) If a person is 18 years of age or older, he or she may register as a resident student only upon showing that he or she has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.  
(b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State in the absence of a clear demonstration that he or she has in fact established legal residence in this State.

2. If a person is under 18 years of age, he or she may register as a resident student only upon showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
3. A full-time employee of the University System and his or her spouse and dependent children may register on the payment of resident fees.
4. Non-resident graduate students who hold teaching or research assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.
5. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees.
6. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.
7. Foreign students who attend institutions of the University System under financial sponsorship of civic or religious groups located in this State, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.
8. If the parents or legal guardian of a minor change his or her legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve month period, the student may continue his registration only upon the payment of fees at the non-resident rate.
9. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.
10. Career Consular Officers and their dependents, who are citizens of the foreign nation which their Consular Office represents and who are stationed and living in Georgia under orders of their respective governments, shall be entitled to enroll in University System institutions on payment of resident fees. This arrangement shall apply to those Consular Officers whose nations operate on the principle of educational reciprocity with the United States.
11. Military personnel and their dependents stationed in Georgia and on active duty except military personnel assigned to system institutions for educational purposes shall pay the same fees assessed residents of Georgia.

## **TRANSFER STUDENTS**

An applicant who has attended other colleges and maintained an academic average of "C" or better, has a clear conduct record, and is in academic good standing at his former college may be considered for admittance.

All regulations applicable to students entering college for the first time shall be applicable to students transferring from other colleges, insofar as the regulations are pertinent to the applications of transfer students.

A transferring student should ask the registrars of colleges which he or she has previously attended to send transcripts of college credit to the Director of Admissions, North Georgia College, Dahlonega, Ga. 30597. The applicant's academic qualifications for admission will ordi-

narily be based on these college transcripts; however, the Director of Admissions may require high school transcripts to use in the evaluation. Students will not be admitted without required transcripts.

Even though the institution that the student last attended is an accredited institution, the Director of Admissions may reject the application or all or any part of previously earned credits if there is any reason to believe that the quality of the educational programs of the previous institution are unsatisfactory.

An applicant will not be considered for admission unless the transcript shows an honorable discharge from the college last attended or unless the officials of that institution recommend the applicant's admission.

Work undertaken at another institution by a student under academic suspension cannot be transferred to North Georgia College for credit toward a degree.

A student transferring from another college must show that at some time has taken the College Entrance Board's Scholastic Aptitude Test or that he has taken some other equivalent test approved by North Georgia College. Scores on such tests must be submitted to North Georgia.

Transfer students entering North Georgia College shall be subject to the following policies:

- (a) The amount of academic credit accepted for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at the College during that time.
- (b) The maximum academic credit accepted from a junior college is 95 quarter hours.
- (c) The total number of hours that may be earned toward a degree by either extension or correspondence courses shall not exceed 45 quarter hours.
- (d) A transfer student must take and pass The Regent's Test prior to earning a total of 75 quarter hours. A new transfer student with more than 75 quarter hours credit has one full quarter in which to take and pass The Regent's Test.

## TRANSIENT STUDENTS

A student who has taken work in a college or university may apply for the privilege of temporary registration in North Georgia College. Such a student will ordinarily be one who expects to return to the college or university in which he was previously enrolled.

The following policies shall govern the admission of students on a transient status:

1. The student must apply for admission to North Georgia College.
2. The admissions officer must have evidence that the institution that the student previously attended was an accredited or an approved institution.
3. An applicant will be accepted as a transient student when it appears that the applicant's previous academic work is of a satisfactory quality. The Director of Admissions may require the applicant to submit a transcript of his previous college work.
4. An applicant for admission as a transient student must present a statement from the dean or registrar of the institution that he last attended recommending his admission as a transient student. Students on academic probation or suspension or on disciplinary suspension will not be admitted.

## AUDITORS

Regularly enrolled North Georgia College students may register for courses as auditors. Students seeking admission solely for the purpose of auditing courses should contact the Director of Admissions. No academic credit shall be awarded to students enrolled on this basis. Fees assessed for courses audited are the same as fees for courses taken for credit.

## **RE-ENTRANCE OF STUDENTS**

Students who have previously enrolled at North Georgia College but have discontinued their enrollment for any reason must submit an application to re-enter. Such students will not be required to re-submit all records required of new students, but must submit an application and deposit to the Director of Admissions at least twenty days prior to the registration date for the quarter they propose to re-enter. They will be formally notified of readmission.

## **SPECIAL STUDENTS**

Irregular students and special students and all other students of classifications not covered in these policies shall be required to meet all requirements prescribed for admission to undergraduate study and to meet any additional requirements that may be prescribed by the institution. Special students are admitted for one quarter only. When the "Special Student" terminates his or her enrollment, it will be necessary for him or her to process withdrawal papers. If the student desires to continue enrollment, the Admissions Office must be notified of this intent 20 days prior to the date of registration for the next quarter.

## **CREDIT BY EXAMINATION**

Credits may be awarded to entering students upon the presentation of acceptable official scores on certain standard examinations. Students wishing to have this credit awarded by North Georgia College should contact the Director of Admissions for approval prior to taking examinations. For further information see "Credit by Examination," in the section on Academic Regulations.

# EXPENSES AND FEES



# COLLEGE EXPENSES AND FEES

## NOTICE — COSTS INDICATED ARE CURRENT AS OF 1 JULY 1983

ALL FEES, BOARD, ROOM RENT, AND OTHER CHARGES ARE DUE AND PAYABLE PRIOR TO EACH QUARTER OR AT REGISTRATION AND ARE ALL SUBJECT TO CHANGE AT THE END OF ANY QUARTER.

Following is a complete table of all costs at North Georgia College.

## SUMMARY OF CURRENT QUARTERLY COSTS

Matriculation	\$247.00
Health Fee	28.00
Athletic Fee	13.00
Activity Fee	16.00
Yearbook Fee	4.00
Board	286.00
Room	216.00
	<hr/>
	\$810.00

An application fee of \$10.00 is required of all students and must accompany the application for admission.

A room deposit of \$25.00 is required of all dormitory students upon acceptance for admission.

A uniform fee of \$100.00 is required of all resident freshman men and those female students enrolled in the military program prior to any uniform alterations or issue.

Checks and money orders should be made payable to North Georgia College.

## OTHER COSTS AND SPECIAL FEES (Includes Sales Tax)

Books and School Supplies, \$50.00 to \$75.00 per quarter average.

Personal expenses vary widely and obviously depend upon the student.

SPECIAL CHARGES	AMOUNT	WHEN DUE
Out-of-State Fee	\$495.00	Each Quarter
Graduation Fee (undergraduate)	20.00	May 1 of graduation year
Graduation Fee (graduate)	25.00	May 1 of graduation year
Transcript Fee	2.00	Each copy over one
Late Registration Fee	5.00	Per course (\$15 full load)
Vehicle Registration	3.00	Each Quarter

## EXPLANATORY NOTES

### Note No. 1: Payments

Students and parents are expected to take notice of due dates on all payments and pay promptly without further notice or request. Open accounts cannot be carried.

### Note No. 2: Matriculation, Health, and Activity Fees

All students pay the established matriculation activity fee, athletic and health fee. These fees cover all general fees of the college. Any student enrolled for more than five credit hours must pay the Health and Activity Fee.

**Note No. 3: Board/Purchase of Meals**

All students living in College dormitories are classified as boarding students and are required to pay the quarterly board fee.

Commuting students may purchase a meal plan if they desire.

Board charges cover meals in the College dining halls only, and no meals are furnished during College holidays.

No provisions can be made for special diets.

**Note No. 4: Books**

The estimated cost shown for books is based upon the average experience. Cost of books after the initial purchase may be considerably reduced should the student wish to sell his used texts and purchase similar used books.

**Note No. 5: Purchase of Supplies**

Gymnasium uniforms, books, and supplies must be paid for at the time of issue or at the time of purchase.

**Note No. 6: Checks**

Students who pay fees with checks returned for insufficient funds will be charged a late registration fee.

**REFUNDS**

Formal withdrawal must begin with a written approval from the Dean of Students or Associate Dean of Students. At the time this approval is granted, specific instructions will be given for the student to complete his formal withdrawal. Any deviation from this procedure will be considered as an irregular withdrawal and will result in the forfeiture or the loss of any refund due.

In the case of formal withdrawal, a refund of the Matriculation Fee may be made on the following basis:

- (1) Withdrawal during one week following the scheduled registration date; a refund of 80% of the Matriculation Fee paid for that quarter;
- (2) Between one and two weeks, 60%;
- (3) Between two and three weeks, 40%;
- (4) Between three and four weeks, 20%;
- (5) After four weeks, no refund.

No refund can be made on Activity or Health fees.

In case of withdrawal, a refund on board and room may be made on the number of full weeks remaining in the quarter.

In case of excused absence, a refund on board, not room, may be given on that part of the student's absence which is in excess of two weeks.

Refunds over \$25.00 are sent directly to the student's home address or applied as credits to the student's account.

**OVERNIGHT GUESTS**

Student guests may be accommodated overnight in the dormitories by reservation with the Dean of Students for \$2.00 per night. Guests must provide their own linens.



# FINANCIAL AID



# FINANCIAL AID

The primary purpose of the financial aid program is to provide assistance to students, who, without such aid, would be unable to attend college. Parents are expected to pay as much as they can afford, but beyond this point, the college offers a variety of aid programs consisting of loans, grants, scholarships and employment. No application for scholarship or loan, sponsored or supported from state or federal funds, may be considered until financial need has been established. Once need is established and amounts determined, the Financial Aid Director puts together for the individual a "Financial Aid Package" from various money sources.

**All requests for financial assistance should be directed to the Director of Student Aid.**

North Georgia College participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. The CSS assists colleges in determining the student's need for financial assistance.

Students seeking financial assistance are required to complete an NGC College Aid Application and a Financial Aid Form designating North Georgia College as one of the colleges to which the report of financial need will be sent. All Georgia residents must also complete the Georgia Grant Application. The Financial Aid Form may be obtained from a local high school, the College, or College Scholarship Service, P.O. Box 176, Princeton, New Jersey. The deadline for Fall application is August 1.

## GRANTS

### THE PELL GRANT

The "PELL Grant" is open to all students and is a federal aid program. The maximum grant under this program is \$1,800. The award, however, may be less than this maximum amount because the actual grant is based on the family's expected contribution and two other factors: (1) the amount of funds appropriated by Congress; and (2) the yearly educational costs, since the grant cannot exceed one-half that cost and because costs vary from college to college.

Any citizen of the United States who has **never** received an undergraduate degree is eligible to apply for this entitlement.

Application for this grant is made by submitting a "Needs Analysis Application" to the contractor designated by the U.S. Office of Education. This form may be secured from your high school counselor.

### NORTH GEORGIA COLLEGE ROTC GRANT

Please see a full explanation of this program on page 21.

### SUPPLEMENTARY EDUCATIONAL OPPORTUNITY GRANT

The "SEOG" was established by the Higher Education Act of 1965 and is a direct award to students with exceptional financial need. The exact amount of the award depends upon the financial resources of the individual and parents and the cost of attending North Georgia College. This grant may range from \$200 to \$2,000.

## SCHOLARSHIPS

### GEORGIA INCENTIVE SCHOLARSHIP

The Georgia Incentive Scholarship program was created by an act of the 1974 Georgia General Assembly in order to establish a program of needs-based scholarships for qualifie

Georgia residents to enable them to attend eligible postsecondary institutions of their choice within the state. The scholarship awards are designed to provide only a portion of the student's resources in financing the total cost of postsecondary education.

## **NORTH GEORGIA COLLEGE MUSIC SCHOLARSHIPS**

The C. J. Dismukes Scholarship Fund and the Alva N. Pendergrass Fund awards a limited number of music scholarships each year. These are awarded on the basis of merit. Further information may be obtained by writing the Coordinator of Music, North Georgia College, Dahlonega, Georgia 30597

## **REGENTS' SCHOLARSHIPS**

The Board of Regents of the University System of Georgia receives from the State certain funds from which scholarships may be granted to residents of Georgia attending institutions of the University System. These scholarships were established for the purpose of assisting students of superior ability who need financial aid in order to attend college. A student who wishes to apply for the Regents' Scholarship should direct his application to the Director of Student Aid, North Georgia College, Dahlonega, Georgia 30597.

## **THE GEORGIA MILITARY SCHOLARSHIP**

Please see a detailed explanation of this scholarship on page 20.

## **NORTH GEORGIA COLLEGE SCHOLARSHIPS**

The College has combined several sources of funding to establish the N.G.C. Scholarship Program. Entering Freshman with exceptionally high academic potential and currently enrolled students with demonstrated superior academic performance are eligible to apply. The number and value of scholarships will vary from year to year. Determination is based upon the availability of funds and the number of qualified applicants. Scholarship applications or additional information may be requested from Mr. Gary Steffey, Director of Admissions, or Mr. Arnold Hulsey, Director of Financial Aid.

## **STUDENT GOVERNMENT ASSOCIATION AND CLASS OF '62 LOAN FUND**

Established in 1972, this fund is designed to provide financial assistance to those students in need of small, short-term loans. The money for this fund was donated by the Graduating Class of 1962 in memory of three of their classmates, by the Student Government Association, and by various faculty members.

The Fund is administered through the office of the Dean of Students. To be eligible for a Short-Term Loan, a student must be regularly enrolled as a full-time student at North Georgia College.

## **COLLEGE EMERGENCY LOANS**

The College has combined several small loans funds to establish the North Georgia College Emergency Loan Fund. Any N.G.C. student may apply for consideration. Maximum loans of \$500 may be awarded to help with emergency college related expenses. Approval and amount of loan will be determined by the availability of funds. Students should apply in person to the Director of Financial Aid.

## **NATIONAL DIRECT STUDENT LOAN FUND**

The college participates in the National Direct Student Loan Program established by the National Defense Education Act of 1958 as amended in 1972. NDEA funds are available to

## **North Georgia College**

full-time, degree-seeking students regularly enrolled in college. Students attending summer school only are not eligible.

A maximum loan of \$1,500 for undergraduate work and \$3,000 for graduate work may be obtained each year for an overall maximum loan not to exceed \$6,000 for undergraduate and \$12,000 for graduate work. Loans must be repaid at 5% simple interest scheduled on a monthly basis beginning the first of the seventh month after you cease to be enrolled at least half-time. The total loan may be repaid over 10 years (depending on the size of the loan).

## **FEDERALLY INSURED STUDENT LOAN PROGRAM**

These guaranteed loans are arranged through private banks and other financial institutions participating in the program. Undergraduate dependent students may borrow as much as \$2,500 per year. Undergraduate independent students may borrow up to \$2,500 per year. Interest is paid by the Federal Government until the student completes his education.

In Georgia, this loan program is administered by the Georgia Student Finance Commission (GSFC), 2082 E. Exchange Place, Suite 200, Tucker, Ga. 30084

In the event that you are unable to locate funds locally, North Georgia College has a limited amount of endowed funds which may be used under this Federally Insured Loan Program. Application should be made through the Director of Financial Aid.

A list of financial institutions participating in the program may be obtained by contacting GSFC. Students who are residents of other states may inquire about this loan by contacting United Student Aid Funds, 845 Third Avenue, New York, N.Y. 10022.

## **OTHER SOURCES OF FINANCIAL ASSISTANCE**

### **STATE SCHOLARSHIP COMMISSION**

Scholarships will be granted to legal residents of Georgia who would not otherwise have the necessary funds to finance programs of study in medically-related areas, including dentistry, nursing, pharmacy, social work, medical technology, etc. Stipends vary in relation to established need and the average cost of study at the college. Additional information and applications may be obtained from the Georgia Student Finance Commission.

### **PICKETT AND HATCHER EDUCATION FUND**

The late Mr. Claud A. Hatcher of Columbus, Georgia, created an educational loan fund for the purpose of aiding a large number of worthy students in securing courses in broad liberal arts training. Limitations prevent loans being granted to students of law, medicine, and for the ministry. Applications and requests for additional information should be addressed to Mr. Jack E. McGraw, Executive Vice President, Pickett and Hatcher Educational Fund, P.O. Box 2128, Columbus, Georgia 31902.

## **EMPLOYMENT OPPORTUNITIES**

Students who demonstrate need and otherwise qualify for the College Work-Study Program can be employed for up to 15 hours per week for full-time students. To be eligible, a student must be at least a half-time student (entering freshmen may be eligible for summer employment prior to Fall Quarter registration) or, in the case of a student already enrolled, be in good academic standing. The applicant must also be capable of maintaining good academic standing while employed under the program. Preference for employment is determined from an evaluation of the Parents' Confidential Statement and need analysis from the College Scholarship Service.

# STUDENT SERVICES



# STUDENT SERVICES

## COUNSELING AND CAREER GUIDANCE SERVICES

Personal, developmental and career counseling is available to North Georgia College students at the Student Counseling Center. At no point during a student's undergraduate career at North Georgia College is he without access to personal counseling on any problem. Students are encouraged to seek the help of the Student Counselor for assistance in solving personal and social adjustment problems. Students are also offered aid in planning and organizing career goals, leadership workshops, and other campus projects. The Student Counselor is available to discuss any aspect of campus life. All contacts at the Student Counseling Center are CONFIDENTIAL.

## PLACEMENT OFFICE

The Placement Office provides placement services for North Georgia College students. Information on current employment opportunities, assistance in resume preparation, interview techniques, interviews with prospective employers, and assistance with credential packets are among the services provided by this office.

## TESTING OFFICE

The Testing Office administers group and individual tests for the college community. Available tests range from individual intelligence and personality tests to vocational inventories and large group tests such as the Graduate Record Exam, SAT, and Regents' Exam. The Testing Office seeks to aid students in recognizing their abilities and to provide guidance for realizing maximum benefits from their college experience.

## FACULTY ADVISERS

Each student is assigned a faculty adviser who is to assist him or her in developing a program of study and to serve as confidant, guide and friend. Students should feel free to consult these advisers concerning academic problems.

## HOUSING AND LIVING ACCOMMODATIONS

Applications for dormitory rooms are included as a part of the Admissions Form and should be submitted to the Director of Admissions, North Georgia College. Inquiries about room assignments should be directed to the Assistant Dean of Students for women students and to the Assistant Commandant of Cadets for men students.

The General Policies on Housing for the North Georgia College campus are based on the philosophy that residence hall life is a vital part of the total educational function of the institution. Therefore, the policies which govern the management and operation of campus housing are:

1. All undergraduate students are required to live in residence halls. Exceptions to this policy may be made in the following cases:
  - a. Students who live in and commute from the residence of parents, grandparents or husband or wife within a 40 mile radius of Dahlonega.
  - b. Students who have a baccalaureate degree.
  - c. Students who have completed 12 quarters in residence. Male students who complete 12 quarters in residence prior to completing 12 quarters of Military Science will be required to successfully complete the Military Science requirements prior to approval of commuter status.

- d. Students who have been honorably discharged after one full year of active military service.
- e. Students over 23 years of age.

**Application for exemption from the on-campus requirement must be made in writing to the Dean of Students no later than two weeks prior to the beginning of the quarter during which the student anticipates living off campus. The student will be notified in writing of the decision. All off-campus moves must be completed by the end of the first week of each quarter. Application forms for commuter status are available as part of the Application Kit in the back of this catalog or in the office of the Dean of Students. The college reserves the right to revoke this exemption and require the student to reside on campus and/or disenroll if he or she is found to be in violation of the college's residency regulations.**

- 2. Roommate requests will be honored whenever space permits. Such requests can be accommodated more easily if the students concerned indicate their roommate preference on their application, submit applications at the same time, and check into the assigned residence hall together.
- 3. Rental rates on campus housing facilities are subject to change without notice.
- 4. All rooms are designed for double occupancy. Room rates are computed on this basis. Private rooms may be obtained on a space available basis for an additional \$40 per quarter.
- 5. Campus housing accommodations may be denied, cancelled, or changed at the discretion of the College. **The College reserves the right to enter and inspect any campus residence room or space at any time.**
- 6. The College assumes no responsibility for damage or loss of personal property arising from any incident over which it has no control.

**ON-CAMPUS HOUSING FOR MEN.** There are two residence halls for men on the North Georgia College campus. (Sirmans and Gaillard Halls). Each residence hall houses one of the Cadet Battalions. Furnishings within individual rooms include beds, chests, desks and a closet. Students are expected to provide their own pillows, linens, lamps, and radio/stereo. Comfortable lounge areas and coin-operated laundry facilities are also provided for student use.

**ON-CAMPUS HOUSING FOR WOMEN.** Residence halls for women include Lewis Hall (freshmen only), Lewis Annex, Donavon Hall, and Sanford Hall. Furnishings within individual rooms include beds, chests, desks and closets. Students are expected to provide their own pillows, linens, lamps, curtains (if desired), and radio/stereos. Comfortable lounge areas and coin-operated laundry facilities are also provided for student use.

**NON-MILITARY HOUSING FOR STUDENTS EXEMPT FROM ROTC.** On campus housing is available in the residence halls for all students who are not required to be enrolled in the Corps of Cadets.

## **HEALTH SERVICE**

North Georgia College maintains an Infirmary facility on the campus for all students. The Infirmary is supported by a quarterly health fee. There is no additional charge for the professional service of the physician.

The Infirmary is open 24 hours a day while the College is in session. Treatment for nearly all minor illnesses and injuries is provided. Serious cases are referred to the Lumpkin County Hospital in Dahlonega.

The College assumes no responsibility for injuries received in voluntary or required activities, for the cost of prescriptions not stocked within the Infirmary, for special nurses, for consulta-

## North Georgia College

tion and hospital expense in the more serious cases of illness and accidents, for special X-ray work or surgery of any kind, nor for the health of students who do not abide by regulations of the infirmary or the instructions of the College Physician.

### THE STUDENT CENTER BUILDING

The \$1.4 million Student Center Building houses areas designed for many different kinds of activities. A little theatre offers an outstanding theatrical facility for drama , music and public affairs. A canteen complex provides dining and snack facilities. The activity area contains a game room and snack bar. Offices for student activities, as well as meeting areas for campus organizations, are also provided. Lounge areas and TV rooms provide ample space for leisure and social activities.

**GUESTROOMS.** The Student Center provides two modern guest rooms that may be rented on a nightly basis. Each room offers complete accommodations equivalent to a modern motel. Reservations should be made a week in advance to insure accommodations. Room rates are available upon request to the Director's Office.

### CANTEEN/BOOKSTORE/POST OFFICE

The North Georgia College Canteen, Bookstore, and Post Office are located in the Student Center. They are operated for the convenience of students and faculty.

The Canteen provides a side selection of soft drinks, sandwiches, and other refreshments. The Bookstore offers a complete line of school supplies and textbooks. *The Post Office maintains post office boxes for all students.* Each student is urged to check his post office box daily for communications from various departments and outside mail.

The correct mailing address for each student will be: name, NGC Box \_\_\_\_\_ , Dahlonega, Georgia 30597.

### ORIENTATION (INTRO)

North Georgia College sponsors a Summer Orientation Program for all new students. The program is conducted in four sessions during the summer and early fall. Faculty, administrators, staff members and student leaders conduct the program. The series of events in the program are planned to give new students information about the academic community, advanced placement and screening tests, assignment of faculty advisors, academic counseling, and to familiarize each student with the services and facilities of the college.

Upon acceptance at North Georgia College, each new student will receive by mail a brochure relating the pertinent information concerning the requirements, fees, etc. for participants in the Orientation Program.

# STUDENT LIFE, GROUPS, AND HONORS



# STUDENT LIFE, GROUPS AND HONORS

North Georgia College is a unique educational institution, and one important reason for this uniqueness particularly pertinent to the students is the extent to which he or she is directly involved in the leadership and management of the organizations affecting student life. It would be hard to find any other tax supported institution in the United States that provides its students more worthwhile opportunities for direct and immediate involvement in actual student government than does North Georgia. These opportunities for practical experience in leadership and personnel management, for character development, and for assumption of responsibility are derived naturally and directly from the structured organization of the College's student body. This diverse student body is comprised of resident and non-resident members of the Corps of Cadets, resident and non-resident women, and commuting students who are not members of the Corps. The following paragraphs provide a brief explanation of the NGC student government, campus organizations, the manner in which resident students are organized for daily living, and some of the basic regulations by which all students are expected to gauge their conduct.

Rules and regulations governing student conduct are included in the Student Handbook. New students are provided with copies of the Handbook at the beginning of each year and are responsible for having a general knowledge of its content.

## STUDENT GOVERNMENT ASSOCIATION (SGA)

The North Georgia College Student Government Association is composed of elected representatives of each class on campus and executive officers and is the ranking student organization on the campus. It is the coordinating body for various student activities, organizations and class elections, and is a medium for communication between the administration, faculty and the student body. The SGA annually prepares a budget recommending the allocation of Student Activity Fees.

## CORPS OF CADETS

The Corps of Cadets is the governing body of all resident male students. The Corps, organized into a Brigade structure, is represented on the Student Government Association. Specific information on the Corps and the R.O.T.C. program may be found under the section entitled "The Military Program".

## RESIDENT WOMEN'S STUDENT GOVERNMENT ASSOCIATION

The Resident Women's Student Government Association, which includes all women students at North Georgia College, was organized to promote the welfare of the women students of the College. The RWSGA is a self-governing organization through which women students can become active participants in the governance of the student body.

The governing body of the RWSGA is the Resident Women's Affairs Board. It is made up of elected representatives and is responsible for the citizenship of women students on campus. The RWSGA provides for House Councils and Judiciary Boards elected by resident students who are responsible for governing residence halls. Resident Counselors advise these organizations in their respective residence halls.

## MALE COMMUTER STUDENTS

Students who qualify as commuters may attend the College in a non-military status. There is of course, nothing to preclude a commuter from full participation in the College's military program. Students meeting any one of the exceptions listed under the section, Housing and Living Accommodations, may be granted commuter status.

Women students other than those who are married and living with spouse or in the home of parents, grandparents, or legal guardians are required to live in College housing. Married women students may apply for residence in dormitories on a space available basis.

Commuter students are subject to all appropriate college regulations included in the Student Handbook.

## N.G.C. UNION GOVERNING BOARD

The N.G.C. Union Board is the planning and programming body for student activities on the N.G.C. campus. Any student interested in a variety of campus activities can contribute his ideas and talents by actively participating on the College Union Board. The Union Board, located in the Student Center, is a comprehensive program of student activities planned and executed by enthusiastic students. Seven Union Board Committees — Decorations and Hospitality, Ideas and Issues, Cultural Affairs, Publicity and Public Relations, Social Activities and Koffee House, Recreation, and Cinematic Arts — work with many phases of campus life to provide worthwhile educational, social, and cultural programs for the college community. The Union is a laboratory for living and for the education of the whole person.

## STANDARDS OF CONDUCT

While the specific rules governing student conduct are spelled out in detail in the Student Handbook and Blue Book, the standards of conduct expected of North Georgia College students are basically those prevailing in any well ordered society comprised of intelligent, moral ladies and gentlemen. Minor infractions of rules are handled within the organizational structure of the Corps of Cadets and Resident Women's Student Government Association. Serious breaches of the standards of conduct or College regulations are referred to the College Discipline Committee by the Dean of Students. This committee is composed of faculty and students and is the primary judicial body on campus.

## DISRUPTIVE CONDUCT

The Board of Regents of the University System of Georgia has stated that any student who, acting singularly or in concert with others, obstructs or disrupts, or attempts to obstruct, or disrupt, by force or violence, or by threat of force or violence, any teaching, research, administrative, disciplinary, public service or any other activity authorized to be held or conducted on the campus of North Georgia College or on any campus of the University System of Georgia, shall be subject to immediate dismissal.

The words "force" and "violence" shall be construed to include such obstructive and disruptive acts as stand-ins, sit-ins, and lie-ins.

Any student who remains in or refuses to vacate any building on the campus of North Georgia College or on the Campus of any institution within the University System of Georgia at a time when such building is normally, usually and customarily closed to students, and after having received notice to vacate from the President of the institution or other officer charged with the custody and control of the building, shall be subject to immediate dismissal.

## VEHICLE REGULATIONS

Any student may register and keep a vehicle on campus provided he is qualified to do so under the laws of the State of Georgia and the College. All vehicles parked or operated on campus must be registered with Campus Security. The right of a student to operate and/or possess a vehicle is considered by the College to be a privilege which may be revoked for cause at any time. A quarterly vehicle registration fee of \$3.00 is payable at the beginning of each quarter's registration.

# STUDENT GROUPS

Life at North Georgia College is enriched by a variety of groups and organizations. Some of these organizations encourage and direct the scientific, scholarly, artistic, or humanitarian interests of students and of the faculty and administration. Some provide honorary recognition for achievement. Others are purely social or combine learned interests with social recreation. No attempt is made in the following section to present a detailed account of all organizations and their activities. Full information is provided in the Student Handbook which is distributed to all students at the beginning of each year.

## ORGANIZATIONS

HONORARY ACADEMIC ORGANIZATIONS: Alpha Lambda Delta, Nu Gamma, Phi Kappa Phi

HONORARY PROFESSIONAL ORGANIZATIONS: Phi Alpha Theta (History), Phi Beta Lambda (Business), Sigma Pi Sigma (Physics)

RELIGIOUS ORGANIZATIONS: Baptist Student Union, Newman Club, Wesley Foundation

GENERAL GREEK LETTER ORGANIZATIONS: Sororities: Three national chapters — Alpha Gamma Delta, Kappa Delta and Phi Mu. Fraternities — Four national chapters — Pi Kappa Phi, Sigma Chi, Sigma Phi Epsilon, and Sigma Nu. One local chapter — Sigma Omega.

MILITARY ORGANIZATIONS: Aggressor Platoon, Association of the United States Army, Blue Ridge Rifles Drill Platoon, Brigade Band, Mountaineering Platoon, Officers' Club, Non-Commissioned Officers' Club, Order of Colombo, Rifle Team, Scabbard and Blade.

SPECIAL INTEREST GROUPS: American Society for Personnel Administration, Black Student Alliance, Capella Society, Chorale, College Union Governing Board, Concert Band, Dixie Babes, Fencing Club, Foreign Languages and International Cultures Society, Panhellenic Council, Physical Education Majors Club, Recreation Association, Resident Women's Student Government Association, Rod and Gun Club, Scuba Club, Semper Fidelis, Social Concerns Organization, Society of Physics Students, Society for Advancement of Psychology, Sport Parachute Club, Student Association for Childhood Educators, Student Council for Exceptional Children, Student Education Association, Student Government Association, Theatre Studios, and Women's Athletic Club.

# HONORS AND AWARDS

## DEAN'S LIST

Students who have a grade point average of 3.5 while carrying a normal academic load with no grade below "B" will be placed on the Honors List for the succeeding quarter.

An Honors Day program is held at the end of the Spring Quarter in recognition of those students who are on the Honors List for the Winter and Spring quarters.

## PRESIDENT'S LIST

Students who have a grade point average of 4.0 while carrying a normal academic load will be placed on the President's List.

## HONORS PROGRAM

The college offers an honors program in a number of departments. Students demonstrating superior abilities are given the opportunity to enroll in special courses designed to make the maximum use of their capacities.

## SENIOR HONORS

A student is graduated Summa Cum Laude if his over-all grade ratio is 3.9; Magna Cum Laude if the grade ratio is 3.7; Cum Laude if the grade ratio is 3.5.

## WALTER J. CARPENTER MATHEMATICS AWARD

Each year the faculty members of the Mathematics Department select a recipient of this award on the basis of mathematical performance and potential from among those students who have received credit for Mathematics 246 during the previous three most recent academic quarters, but have not earned a total of more than 135 quarter-hours. Normally, the student chosen will be a freshman or sophomore.

## CLARK MEDAL

Each year the faculty members of the Mathematics Department select a recipient for this medal based on mathematical ability and performance from among those students who have completed the three-quarter calculus sequence, plus two courses at the three or four-hundred level.

## DISTINGUISHED MILITARY STUDENT

The DMS is awarded to senior ROTC students who possess outstanding qualities of leadership and high moral character, have exhibited a definite aptitude and interest for the military service, and have attained an overall academic standing in the upper half of their college class and the upper third of their ROTC class. Each student designated a DMS may apply for a commission in the Regular Army.

## DMCS. (DISTINGUISHED MARINE CORPS STUDENT.)

The DMCS is awarded to Senior PLC (PLATOON LEADERS CLASS) who possess outstanding qualities of leadership and a high degree of professionalism. These students have completed Officer Candidate school, have attained an academic rank in the upper half of his/her class and in the upper third of his/her ROTC class.

## **DISTINGUISHED MUSICIAN AWARD**

A cash award is made annually to the student who makes a continued outstanding contribution to and achievement in the music program.

## **GOOD CONDUCT AWARD**

This bar is awarded to ROTC students at the end of their first year based upon their compliance with regulations formulated by the Professor of Military Science and the Commandant of Cadets.

## **PAUL M. HUTCHERSON OUTSTANDING STUDENT AWARD**

An Alumni Association award presented to a student of North Georgia College who has exhibited by his or her personal conduct and behavior, as well as individual accomplishments in campus, home, or community life, those traits of personal character and human endeavor which reflect on himself, his family and friends an unusually high degree of credit and which also exemplify the highest ideals of citizenship encouraged of all students of North Georgia College.

## **HAWKINS CITIZENSHIP AWARD**

This award in the form of a key is given each year to a graduating senior selected by the entire faculty who has been outstanding in general campus citizenship. The senior's name is engraved on a plaque which remains with the college in honor of those who have been selected.

## **MERITORIOUS LEADERSHIP ACHIEVEMENT AWARD**

The Commanding General, U.S. Army First ROTC Region annually awards a Certificate of Meritorious Leadership Achievement to the ROTC student who has demonstrated the most outstanding qualities of leadership during the academic year.

## **MEYER-RAEBURN AWARD**

In memory of Abner A. Raeburn, this award is presented to the cadet who has displayed strong moral and ethical concepts, courtesy in his behavior, and respect for recognized authority.

## **MILITARY HISTORY AWARD**

The Association of the United States Army presents an award annually for excellence in the study of military history in ROTC units.

## **MR. & MISS NGC**

Established by the Student Government Association, this annual award is presented to the senior male and female student whose academic achievements, service, leadership and contributions to campus life best exemplify the ideas and goals of North Georgia College. The selection is made by vote of the student body. The award consists of a plaque and a picture permanently displayed in the Student Affairs area of Barnes Hall.

## **OAKES-FREEMAN ACHIEVEMENT AWARD IN BUSINESS ADMINISTRATION**

Annually, at the Honors Night Assembly, a \$100 Series E United States Government Bond will be awarded to the Business Administration or Business Education major graduating with the highest grade-point average for the entire four-year program of study determined at the close of the winter quarter.

## **THE LAMAR PITTARD MEMORIAL AWARD**

This award was established in 1973 in memory of Captain Lamar Pittard, a 1968 graduate of North Georgia College, who was accidentally killed in Germany in 1972.

While a student at North Georgia College, Captain Pittard was a proud member of the Blue Ridge Rifles Drill Team. Because of high interest in the Drill Team, and his desire to perpetuate its goals, this award has been established by his family to annually recognize the outstanding member of the Blue Ridge Rifles.

The award consists of an appropriately engraved trophy and a monetary award (Savings Bond) presented to the recipient each year during Parents' Day Ceremonies. Additionally, a larger plaque will be on permanent display at the College recognizing past recipients.

## **SILER SCHOLARSHIP PLAQUE**

This award is presented annually to that student who has earned the highest quality-point ratio for not less than 75 quarter hours at North Georgia College.

## **STEWART MEMORIAL AWARD**

Established by the family of the late Joseph S. Stewart, former President of North Georgia College, this award will be presented to the outstanding senior athlete who has best exemplified the outstanding characteristics most desirable of a North Georgia College student.

## **THE WALL STREET JOURNAL AWARD**

This award is given annually to the graduating senior in Business Administration or Business Education who has demonstrated superior classroom leadership.

## **WHO'S WHO IN AMERICAN COLLEGES AND UNIVERSITIES**

Members of Who's Who are selected from the Junior and Senior Classes and graduate students on the basis of scholarship; service to the College; contributions to and leadership in campus extra-curricular activities; and spirit and degree of cooperation with administration, faculty, and fellow students in furthering general college policies and ideals.



# ACADEMIC REGULATIONS



# ACADEMIC REGULATIONS

It is the responsibility of the student to be familiar with the academic regulations of North Georgia College.

Each student is urged to read the regulations carefully and to seek interpretation from his academic adviser or from the Office of the Vice President for Academic Affairs in the event that there should be any questions.

## COLLEGE HONOR

At North Georgia College, a sense of self-respect, dependability, and high honor prevails. Hence, any degree of dishonesty in areas of academic work, or the giving or receiving of unauthorized help in any quiz, test, or examination is regarded as one of the most serious offenses that can be committed against the honor of the college and the student group.

## ACADEMIC CREDITS

Credits are expressed in terms of quarter hours. One quarter hour is the credit given for the work of one hour per week throughout one quarter. A course that is taken five times a week for one quarter is equal to five quarter hours. Laboratory science and some courses in other disciplines carry credit value of one hour for each lecture period and one hour for each required laboratory period.

## UNIFORM GRADING SYSTEM

*Uniform Grading System.* All institutions of the University System of Georgia shall be on a 4.0 grade point average system. The following grades are approved for use in institutions of the University System of Georgia and are included in the determination of the grade point average:

A	— Excellent	4 quality points per quarter hour
B	— Good	3 quality points per quarter hour
C	— Satisfactory	2 quality points per quarter hour
D	— Passing	1 quality point per quarter hour
F	— Failure	No quality point per quarter hour
WF	— Withdrawn,	No quality point per quarter hour

The following grading symbols are approved for use in the cases indicated, but will not be included in the determination of the grade point average.

- I — This symbol indicates that a student was doing satisfactory work but, for non-academic reasons beyond his control, was unable to meet the full requirements of the course. If an "I" is not satisfactorily removed after one quarter of residence, the symbol of "I" will be changed to the grade "F" by the appropriate official. Under special circumstances, this period of time can be increased with the approval of the department head and the Vice President for Academic Affairs.
- IP — In Progress (for Developmental Studies only)
- W — This symbol indicates that a student was permitted to withdraw without penalty. Withdrawals without penalty will not be permitted after the midpoint of the total grading period except in cases of hardship as determined by the appropriate official of the respective institution.
- V — This symbol indicates that a student was given permission to audit this course. Students may not transfer from audit to credit status or vice versa.
- K — This symbol indicates that a student was given credit for the course via a credit by examination program.

## **CUMULATIVE GRADE POINT AVERAGE**

*Cumulative Grade Point Average.* The cumulative grade point in each institution of the University System of Georgia will be calculated by dividing the number of hours scheduled in all courses attempted in which a grade of A, B, C, D, F, or WF has been received into the number of grade points earned on those hours scheduled. The cumulative grade point average will be recorded on the student's permanent record.

For graduation, every candidate for a degree must complete a minimum of 185 quarter hours of academic work, exclusive of Basic Physical Education. The student must have a minimum contract grade point average of 2.0 on all work presented for graduation, including Basic Physical Education.

## **CHANGES IN GRADES**

All grade changes must receive the approval of the Vice President for Academic Affairs before they can be recorded by the Registrar. Any grade will be changed upon a written statement by the instructor that the grade reported was in error.

A candidate for graduation who makes a grade of F in his or her last year in an upper-division course necessary for a degree may have the privilege of one re-examination provided there is no opportunity to repeat the course and the approval of the instructor, the head of the student's major department and the Vice President for Academic Affairs is secured. Grades in not more than two courses may be changed by this method.

## **CHANGES IN PROGRAMS OF STUDY**

Lower-division study programs are changed only by the permission of the Vice President for Academic Affairs upon recommendation of the Academic Advisor. Upper-division study programs are changed only by written authorization from the Head of the Department concerned and the Vice President for Academic Affairs.

Changes in study programs should be made during the first three days of the quarter. Withdrawal from a course after the first three days will result in a grade of W (withdrawal, passing) or WF (withdrawal, failing) as determined by the instructor. University System regulations require that students being withdrawn from classes after mid-term will receive the grade of WF. Students with serious medical problems and other students with justifiable reasons for withdrawing after mid-term may appeal the WF grade through the office of the Vice President for Academic Affairs. The courses with grades of WF and F are included in computing grade point ratio, but grades of W are excluded.

Conflicts in schedules are resolved by the Registrar of the College. Students are held responsible for unauthorized changes of schedule which may result in a loss of college credit.

## **CLASSIFICATION OF STUDENTS**

For enrollment in the Sophomore Class, a student must have passed 45 quarter hours of work; in the Junior Class, 90 quarter hours; the Senior Class, 135 quarter hours.

## **GRADE REPORTS**

At mid-quarter, a report of unsatisfactory grades (D or F) is sent to students with academic deficiencies. At the close of each quarter, a report of the student's work is sent directly to the student at his/her home address.

## **ACADEMIC PERFORMANCE GUIDELINES**

Every student at North Georgia College is encouraged to achieve the highest level of scholarship. Since a grade point average of 2.0 or better is required for graduation, this should be regarded as the minimum satisfactory level of academic achievement.

In order to give the student a reasonable opportunity to meet the requirements for graduation, the following policies have been established:

Any student whose grade point average does not meet the following minimum standards will be referred to the Academic Review Committee, which may recommend probation or suspension.

45 quarter hours attempted 1.5 grade point average

90 quarter hours attempted 1.7 grade point average

135 quarter hours attempted 1.9 grade point average

In addition, a student initially enrolled for ten quarter hours or more must earn credit in at least one five-hour course to be eligible to register for the succeeding quarter.

## **PROBATION AND SUSPENSION**

A student who is placed on probation must remove the probationary status while officially enrolled in and attending classes at North Georgia College. Probation can be removed by achieving the required minimum standards on hours earned and grade point average as outlined above.

While on Academic Probation, any student who earns fewer than 10 hours credit and 15 quality points shall not be eligible to register for the following quarter. If a student remains on Academic Probation for three successive quarters and fails to remove himself from Probation at the end of the third quarter, he will not be eligible to re-enter the following quarter.

Students suspended at the end of the Spring Quarter will not be eligible for re-admission until the Winter Quarter of the following year.

Students who fail to meet the above regulations because of illness or because of an approved sub-normal load may receive such special consideration as their cases merit.

Work undertaken at another institution by a student under academic suspension cannot be transferred at a later date for credit toward a degree at North Georgia College.

After a student has been suspended, it will be necessary that he submit an application for re-admission to the Director of Admissions before his return to the institution can be considered.

## **STUDENT LOAD**

A student who is initially registered for twelve quarter hours or more will be classified as a "full-time" student.

A normal or average student load is from fifteen to eighteen hours exclusive of Military Science and basic Physical Education.

A freshman student whose high school record and entrance tests indicate inadequate preparation may be advised to carry a reduced load during the adjustment to college level work.

## **COURSE-LOAD VARIATIONS**

A student wishing to carry a schedule other than the normal load may file a written request with the Registrar for:

- (1) Fewer than 10 academic hours, exclusive of basic Physical Education and basic Military Science.
- (2) An increase in the normal load when there is difficulty in making up a practical schedule or when a satisfactory program demands it.
- (3) In no case will the college authorize a load in excess of 21 quarter hours, exclusive of basic Physical Education and Military Science.

(4) Except for the senior student whose schedule is required for anticipated graduation, no overloads will be authorized for students who do not have the 2.0 grade-point average.

A student who reduces his load to fewer than five hours after the quarter has begun, exclusive of Military Science and Physical Education, will be withdrawn from the institution. This regulation does not apply to Special Students.

## **CLASS ATTENDANCE**

If a student misses more than twenty percent of the scheduled class periods in a given course for any reason, he may be dropped from the course by the instructor.

The student will be responsible to his instructor for work missed because of absence from class for any reason.

## **ELIGIBILITY FOR EXTRACURRICULAR ACTIVITIES**

To be eligible for intercollegiate activities, the student must be enrolled in a minimum of 12 credit hours at the time of participation and accumulate a total of 24 credit hours in the two terms of attendance immediately preceding the term of participation. The second term student, i.e. freshman, must have passed 12 credit hours in his first term of attendance.

Except where required as part of class work in a course in which he is registered for credit, a student on academic probation is not eligible to participate in any extracurricular activity in which he would represent North Georgia College.

The special eligibility requirements for editor or business manager of student publications is an academic average of C for the preceding quarter. This applies both for appointment and for continued tenure.

## **TRANSIENT STUDENT PERMISSION**

Any student may apply to the Office of the Registrar in writing for authorization to complete certain courses in another college or university as a transient student. This application must be approved by the Registrar before enrollment in the course. If a major sequence has been chosen, the application must also be approved by the Head of the Department concerned. Transient student permission will not be granted to students on academic probation or for the purpose of repeating courses.

## **CREDIT BY EXAMINATION**

"Credit By Examination is essentially the awarding of credit for theoretical knowledge gained outside of the traditional classroom situation." (Credit By Examination, Proceedings from Workshops in the West, 1971).

North Georgia College offers Credit By Examination upon approval of the academic department concerned and the Vice President for Academic Affairs when scores on nationally standardized examinations (CLEP, etc.) or other academic experience strongly indicates that the student has acquired the information or skills related to given courses of instruction offered by the college.

Credit awarded by examination can be given only for courses officially approved for academic credit by the college. This credit carries no academic grade and is not computed into the grade point average.

In no instance will the college award more than 45 hours of Credit By Examination.

Application forms for Credit By Examination are available in the Office of the Vice President for Academic Affairs, North Georgia College, Dahlonega, GA., 30597.

## REQUIREMENTS FOR GRADUATION

For interpretation of the requirements for graduation, the student is urged to seek advice from his academic adviser or from the Office of the Registrar. It is the responsibility of the student to be familiar with these requirements for graduation.

### CORE CURRICULUM

North Georgia College, as a unit of the University System, has implemented the University System Core Curriculum in order to satisfy requirements for the degree. The Core Curriculum is divided into four basic areas:

I. Humanities, including, but not limited to, grammar and composition and literature ..... 20 hours

English 101-102 (10 hours)

English 203, 204, 205, 206, 207 (5-10 hours)

Where only five hours of the above literature courses are selected, Fine Arts 252, Music 205, Art 150, Art 151, Art 152 or any appropriate course in Modern Languages may be substituted to fulfill the remaining five hours.

II. Mathematics and the natural sciences, including, but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences ..... 20 hours

The following courses may be considered to fulfill the requirements in Math:  
Math 101, 102, 113H, 119, 120, 122H, 245.

The 10-hour science requirement must be taken in sequence and may be fulfilled by any of the following block of courses. Astronomy 104, 105; Biology 101-102 or 101-103; Chemistry 101-102, 101-103; Chemistry 115-116; or Chemistry 121-122; Physics 101-102; Physical Science 115-116; Physics 223-224- or Physics 223-225.

In order to complete 20 quarter hours, the student may take any additional five hours of course work in Biology, Chemistry, Mathematics or Physics at the 100-200 level.

III. Social Sciences, including, but not limited to, history and American Government ..... 20 hours

The following courses may fulfill requirements in this area:

100-200 level courses in History; Political Science 101; Anthropology 100; Psychology 101, 205; Sociology 201, BA 221, 222.

IV. Courses appropriate to the major field of the individual students ..... 30 hours

### BASIC PHYSICAL EDUCATION

All students are required to take six courses in basic physical education as a part of the requirements for graduation. See "Required Physical Education for Women and Men", Department of Physical Education.

### MILITARY SCIENCE INSTRUCTION

Since North Georgia College is a Military College, graduation of cadets includes the requirement for successful completion of 18 hours of Military Science instruction unless exempted by the Vice President for Academic Affairs upon the recommendation of the Professor of Military Science. For the fulfillment of this requirement, all cadets, including those transferring in from other institutions, are required to successfully complete a Military Science class each quarter.

## REGENTS TESTING PROGRAM

An examination to assess the competency level in reading and writing of all students enrolled in undergraduate degree programs in University System institutions shall be administered. The following statement shall be the policy of the Board of Regents of the University System of Georgia on this examination.

Each institution of the University System of Georgia shall assure the other institutions, and the System as a whole, that students obtaining a degree from that institution possess literacy competence, that is, certain minimum skills of reading and writing.

The Regents' Testing Program has been developed to help in the attainment of this goal. The objectives of the Testing Program are: (1) to provide systemwide information on the status of student competence in the areas of reading and writing; and (2) to provide a uniform means of identifying those students who fail to attain the minimum levels of competence in the areas of reading and writing.

Passing the Regents' Test is defined as having passed all components of the Test by scoring above the cutoff score specified for each component. The Test may be administered either in its entirety or as one or more components depending on the needs of the students. If one component of the Test is passed, that component need not be retaken; this provision is retroactive to all students who have taken the Test in any form since the inception of the program.

The intent of this policy is that passing the Regents' Test occur before the end of the student's sophomore year, that is, before the completion of 105 hours of degree credit. Students who fail the test must retake and pass the Test. Each institution shall provide an appropriate program of remediation and shall require deficient students to participate in that program prior to retaking the test.

A student holding a baccalaureate or higher degree from a regionally accredited institution of higher education will not be required to complete the Regents' Test in order to receive a degree from a University System institution.

Students enrolled in undergraduate degree programs shall pass the Regents' Test as a requirement for graduation. Students, including transfer students and/or readmitted students, may take the Test after they have completed the required basic core English courses. They may be required to take the Test in the quarter after they have earned 45 hours of degree credit if the Test has not been passed previously. Institutions, however, may not delay initial testing beyond the student's having earned the 60th hour of degree credit.

All students who have taken and have not passed the Regents' Test during the quarter in which they will have earned 75 hours of degree credit shall take the appropriate non-degree credit course or courses in remedial reading and/or remedial writing in each quarter of attendance until they have passed all components of the Test.

Having passed the Regents' Test shall not be a condition of transfer into an institution. All transferring students from within the System shall be subject to all provisions of this policy. Students from institutions outside the System who transfer into a System institution with 60 or more degree credit hours shall take the Test during the initial quarter of enrollment and in subsequent quarters shall be subject to all provisions of this policy.

Students whose mother tongue is other than English may be exempted from taking the Regents' Test by the institution provided appropriate local procedures are employed to certify the literacy competence of those students earning a degree.

A student may request a formal review of his/her failure on the essay component of the Regents' Test if that student's essay received at least one passing score among the three scores awarded **and** if the student has successfully completed the courses in English composition required by the local institution. This review will be conducted in accordance with Board approved procedures.

## STUDENT TESTING

The college affirms its prerogative to require all students to take any examination which may, from time to time, be required for institutional or University System evaluation and to assess each student for the cost of such examination.

## FOREIGN LANGUAGE REQUIREMENTS

Language, where required for the degree, unless so stated elsewhere, should be started no later than the beginning of the second year.

In the arts and sciences, (i.e., all those fields in which a B.A. or B.S. degree is earned, with the exception of Criminal Justice, Education, Physical Education, Craft/Marketing, and Recreation) the foreign language requirement is 20 hours in one language for the B.A. degree and 15 hours in one language for the B.S. degree.

In the area of Psychology, a student may substitute five hours of statistics and ten hours of Computer Science for the Modern Language requirement for the Bachelor of Science Degree.

In the area of Computer Science, ten hours of Modern Language are required.

The Foreign Language Requirement is optional in Dual Degree Programs with Georgia Tech and with the three-year pre-medical degree program.

Students offering two high school units in a foreign language will be admitted to the third course (211) of that language, thereby reducing the foreign language requirements for such students to ten quarter hours. If the student wishes to take the 101 and 102 sequence in his high school language, he will receive no credit for these courses.

The student is advised to commence fulfillment of the language requirements as soon as possible. Failure to do so may lead to a delay in graduation, since the sequence of language courses is not offered from the beginning level every quarter. A failing grade in any given course may, therefore, delay a student as much as one year.

All R.O.T.C. scholarship students must agree to successfully complete at least one quarter of a Foreign Language as a condition of their scholarship. In accordance with the policy of the Department of the Army, North Georgia College encourages all of its R.O.T.C. students, scholarship and non-scholarship, to complete at least four quarters of foreign language training.

## MAJORS AND MINORS

By the time a student has accumulated ninety quarter hours credit, he should have decided upon a field of study. At least fifty quarter hours credit must be successfully completed in this field.

Within the field and under the direction of the department head, the student selects a departmental major of at least thirty quarter hours and a closely-related departmental minor of at least twenty quarter hours.

The student must maintain a minimum average of 2.0 in his field of study.

In the field, both required and elective courses must be approved by the student's adviser and by the Vice President for Academic Affairs. The program then becomes a requirement for the degree. All approvals must be in writing and filed in the Office of the Registrar.

No major or minor may be changed without written recommendation from the major professor and approval by the Vice President for Academic Affairs. Such changes will usually not be permitted later than the third quarter of the junior year. The change will probably result in loss of credit required for the degree and may necessitate an additional quarter or more to meet the outlined requirements of the proposed new program.

## CANDIDACY FOR THE DEGREE

Membership in the Senior Class does not within itself imply candidacy for the degree. Before the degree can be conferred, all indebtedness to the college must be met and published requirements for the particular degree fulfilled. Responsibility for meeting these requirements rests upon the student, and each candidate should check his program for graduation with the Registrar. Formal written application for the degree must be filed with the Registrar at least six weeks before the student expects to complete the outlined degree requirements. Special forms for this application may be secured from the Registrar.

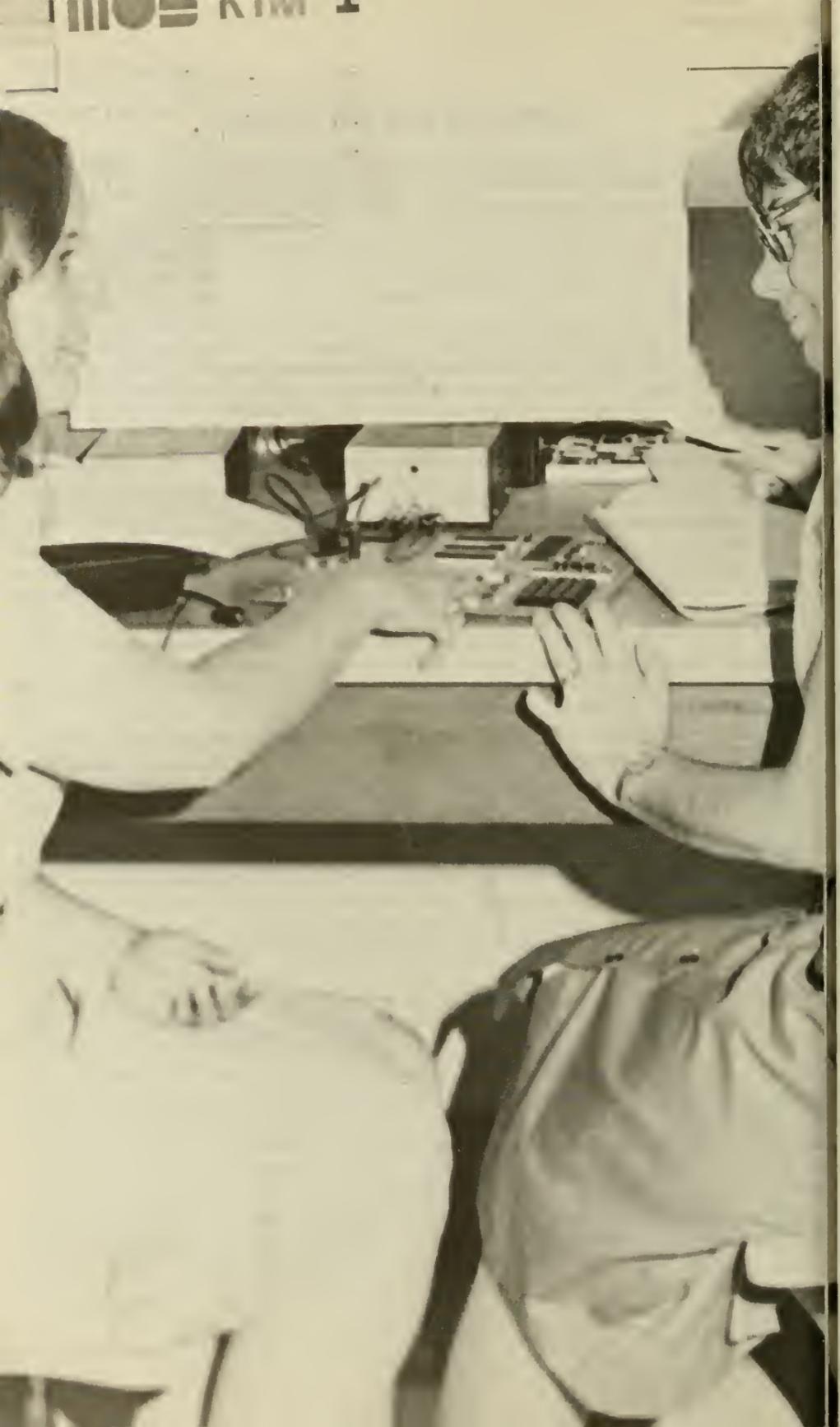
a. For the Bachelor of Arts Degree, the Bachelor of Business Administration Degree, and the Bachelor of Science Degree, the student must complete the requirements of the core curriculum, must fulfill the major and minor requirements, and offer sufficient approved elective courses to bring the total number of credit hours to at least 185, excluding basic Physical Education, but to include for all cadets 18 hours in Military Science or equivalent academic courses approved by the Vice President for Academic Affairs.

b. A Georgia law requires that all candidates for a degree from an institution supported by public funds shall pass an examination "of the History of the United States and the History of Georgia," and an examination "upon the provisions and principles of the United States Constitution and the Constitution of Georgia." The Social Science Department will administer these examinations upon written request from the student and at such time and place as convenient to the student and the Department. However, the requirements for instruction in the above areas can be met by satisfactorily completing Political Science 101 (for the state and national Constitutions) and History 100 (for the state and national history).

c. A student must complete the last forty-five quarter hours in residence prior to the awarding of the degree. In special instances, students may be allowed to take transient courses for elective credit during the last forty-five quarter hours with the approval of the Department Head and the Vice President for Academic Affairs.

d. Graduation depends upon quality of work done as well as quantity. A student must have a minimum grade-point average of 2.0 on all work presented for graduation, including basic Physical Education and basic Military Science. A minimum average of C must be maintained during the last three quarters, regardless of the number of quality points previously earned. Not more than 25 percent of the credits for graduation may be of D grades.

e. No student may be declared a graduate of the college until all requirements for entrance and for graduation have been met, the degree conferred, and the diploma awarded. Each candidate must be present at graduation unless excused in writing by the Vice President for Academic Affairs.



# COURSES OF STUDY



# COURSES OF STUDY

## PRE-PROFESSIONAL PROGRAMS

**PRE-LAW:** A legal education requires a liberal-arts background of a broad scope. The well prepared beginning law student may have majored in any one of several subject matter areas. But regardless of his major, he will have to learn to communicate effectively by written and oral expression. Since the life of the law has been experience, a knowledge of the history of human development is essential. The law is executed through government, and a knowledge of political institutions and processes is invaluable. The law is shaped by many social forces, and courses in sociology, psychology, economics and related courses are recommended. In brief, a broad liberal arts program is preferable to a narrow concentration in a few subject matter areas.

Most law schools now require an undergraduate degree for admission. Therefore, during the first two years, the pre-law student should concentrate on courses leading to a baccalaureate degree. The pre-law adviser will assist the student in selecting courses from the following:

English (20 hours)	Political Science (5 hours)
Science (10-15 hours)	Psychology (5 hours)
Math (5-10 hours)	Military (for military students)
History (10 hours)	Basic Physical Education
Modern Languages (see Language Requirements)	

The pre-law student is expected to declare a major after the first two years of study.

**PRE-MEDICINE:** The pre-medical student may earn a degree in any field of concentration offered at North Georgia College. Normally, the pre-medical curriculum requires a minimum of 75 quarter hours of physical science in order to satisfy requirements for admission to medical college. However, pre-medical students are urged to develop strong backgrounds in the humanities and social sciences.

A student may apply for admission to medical college at the end of three years, provided minimum requirements for admission have been satisfied. Preference is given, however, to those students who have completed a baccalaureate program. The pre-medical course of study is provided to allow those students admitted to an accredited medical college at the end of three years to use credits earned during the first year of medical college to complete requirements for a degree from North Georgia College. Students who are admitted to medical college after four years must meet all requirements for a degree at North Georgia College. The pre-medical program is designed to provide counseling and to aid students in preparing for a medical career. It is not an academic major.

Courses for the pre-medical student will be assigned by the pre-medical advisor until a specific major has been selected. After that time, courses will be assigned by the student's major professor and coordinated with the pre-medical advisor.

**THREE YEAR PRE-MEDICAL PROGRAM****CORE CURRICULUM REQUIREMENTS**

<b>AREA I — HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>Area II — MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101, 102	10	Mathematics 101, 102 or	10
English 203, 204, 205, 206, 207	5-10	119-120	
Modern Language	0-5	Sciences: (one ten-hour sequence) Biology 101-102 Chemistry 121-122 Physics 223-224	10
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Chemistry 121, 122, 123	0-15
100 or 200 level History	5-15	Biology 101, 102, 220	0-15
Courses from Psychology 101, 205, Sociology 100, or Anthropology 100	0-10	Physics 223, 224, 225	0-15

**ELECTIVES** — (to bring the total number of credit hours to at least 135 exclusive of basic Military Science and Physical Education)

NOTE - Prerequisites for entrance to the Medical College of Georgia require that the 135 hour total include the following:

Chemistry	30 quarter hours
Biology	25 quarter hours
Physics	15 quarter hours
English and Humanities	15 quarter hours

A student who wishes to receive a degree from North Georgia College under the three year pre-medical program must fulfill the requirements for the Core Curriculum outlined above. The program outlined above does not apply to students who graduate from the College after more than nine academic quarters of attendance.

**PRE-MEDICAL TECHNOLOGY:** North Georgia College offers a three year pre-medical technology program. The college is affiliated with several hospitals whose schools of medical technology are approved by the American Society of Clinical Pathologists. After the satisfactory completion of the required year of training in one of these schools, North Georgia College will grant the Bachelor of Science Degree.

**GENERAL EDUCATION REQUIREMENTS:**

Physical Education; Basic Military for military students; English 101-102; English 203, 204, 205, 206, 207 (any two); History 100-200 level (any two); Political Science 101; Physics 223; Psychology 101; Mathematics 101-102 or 119-120.

**LANGUAGE REQUIREMENT:** German or French 101-102-211 or 211-212.

**BIOLOGY MAJOR:** Biology 101-102, 340 and four other courses approved by the Head of the Biology Department.

**CHEMISTRY MAJOR:** Chemistry 121, 122, 123, 230, 204 and 311.

**OTHER REQUIREMENTS:** Advanced Military Science (18 hours) for Military Students, and History 100\*.

\*This requirement can be satisfied by successfully passing an examination on American and Georgia history administered by the Department of Social Science.

**SENIOR PRE-MEDICAL TECHNOLOGY:** A student having completed the program outlined above, and who remains at North Georgia College for the fourth year, should complete a major in biology or chemistry and take other courses as advised by the faculty head of the department in which the student has selected a major. At least 45 quarter hours must be completed during the senior or fourth year.

#### **PRE-VETERINARY MEDICINE**

#### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101, 102, 220, 324; Chemistry 121, 122, 311, 331, 332; English 101, 102; Physics 223, 224 and a course in Animal Nutrition.

**OTHER REQUIREMENTS:** Courses to satisfy the general Core requirements and total 105 quarter hours; however, the vast majority of successful applicants will have met the requirements for a Biology degree with a Chemistry minor.

### **TWO-YEAR PRE-PROFESSIONAL ALLIED HEALTH PROGRAMS**

North Georgia College offers two-year pre-professional work in the following Allied Health programs: Dental Hygiene, Medical Records, Nursing, and Physical Therapy. The following courses may be transferred for further work in these disciplines.

#### **DENTAL HYGIENE**

#### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101, 102; Chemistry 121; Speech 211; English 101, 102; English 203, 204, 205, 206, 207 (any one); History 100; Mathematics 101; Political Science 101; Psychology 101; Sociology 100; Electives to complete 90 hours.

#### **MEDICAL RECORDS**

#### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101, 102, 250, 251; Chemistry 121; English 101, 102; English 203, 204, 205, 206, 207 (any two); Business Administration 10 hours; History 100; Mathematics 119; Political Science 101; Psychology 101; Electives to complete 90 hours.

#### **MEDICAL TECHNOLOGY**

#### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101, 102, 250, 251, 280; Chemistry 121, 122, 123, 230; English 101, 102, English 203, 204, 205, 206, 207 (any two); History 100; Political Science 101; Psychology 101; and History 111; Mathematics 101 or 119; Physics 223.

**OTHER REQUIREMENTS:** Military Science for military students and Physical Education for all students.

#### **NURSING**

Pre-professional Nursing students should be advised by the Nursing faculty.

#### **PHYSICAL THERAPY**

#### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101, 102, 321; Chemistry 121, 122, English 101, 102; English 203, 204, 205, 206, 207 (any two); History 100; Mathematics 101; Psychology 101; Physics 223 and 224 or 225; Political Science 101; Sociology 100; Electives to complete 90 hours.

## **PRE-DENTAL (TWO YEARS)**

The minimum requirements for admission to dental school are at least 90 quarter hours.

### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101-102; Chemistry 121-122, 331, 332; English 101-102, 203, 204, 205, 206, 207 (any two); Physics 223 and 224 or 225; Mathematics 101-102 or 119-120; Electives to complete a minimum of 90 hours.

## **PRE-PHARMACY (TWO YEARS)**

### **GENERAL EDUCATION REQUIREMENTS:**

Biology 101, 102; Chemistry 121, 122, 123, 331, 332; English 101, 102; any 200 level literature course; Speech 211; Physics 223, 224; Mathematics 119; Political Science 101; Business Administration 221; History 251 or 252.

**OTHER REQUIREMENTS:** Any Social Science elective to complete 90 hours; and meet the general requirements for Physical Education.

## **PRE-FORESTRY**

Pre-forestry students should be advised by the Biology faculty from the first year.

# DEPARTMENT OF BIOLOGY

**Mac A. Callaham, Department Head**

## MAJOR IN BIOLOGY

### CORE CURRICULUM REQUIREMENTS

<b>AREA I — HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II — MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 102, 119, 120,	
Courses from English 203, 204, 205, 206, 207	10	240, 245 Sciences: (one ten-hour sequence)	10
		Chemistry 101-102 or 121-122; Physics 223-224; or 223-225	10
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Biology 101-102	10
100-200 level History courses	5-15	French, German or Spanish	10-15
Courses selected from the following:	0-10	Chemistry 101-102 or 121-122	0-10
Anthropology 100		Physics 223-224; or 223-225	0-10
Psychology 101		Biology 220, 221, 222	0-10
Sociology 100			
Business Admin. 221, 222			
<b>ADVANCED PLACEMENT</b>			
Student completing Advanced Placement Biology and scoring four or higher on the examination may enroll in courses for which Biology 101, 102 are prerequisites.			
<b>COURSES IN THE BIOLOGY MAJOR</b>			45
Biology 220, 222, 320, 350; any two of the following: Biology 321, 326, 480; plus three courses at the 300/400 level chosen under the direction of the Head of the Department			
<b>COURSES IN THE MINOR</b>			25-30
Biology majors should minor in Chemistry, Mathematics, Physics, or Psychology (requirements for the minor are listed in each departmental offerings).			
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			18
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			6
<b>MODERN LANGUAGE REQUIREMENTS:</b> German or French 101-102-211; or 211-212, preferred; Spanish acceptable			10-15
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

### MAJOR IN BIOLOGY — SECONDARY EDUCATION

(For Core Curriculum Requirements see academic advisor.)

**NOTE:** Biology-Secondary Education Majors may substitute 10 hours of science for foreign languages.

**COURSES IN THE MAJOR**

Biology 220, 222, 315, 320, 321, 326, 350	35
Chemistry 121, 122	10
Physics 223 and 224 or 225	10
Other Requirements: P.E. 309, 390, Special Education 360, Computer Science 138	14

**PROFESSIONAL EDUCATION SEQUENCE**

Education 204, 305, 311C, 421C, 431C	35
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**ELECTIVES (to bring total number of credit hours to at least 185  
exclusive of Physical Education)**

MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)	18
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BASIC PHYSICAL EDUCATION REQUIREMENTS (to include 103, 104)	6
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**U.S. AND GEORGIA CONSTITUTION REQUIREMENT****U.S. AND GEORGIA HISTORY REQUIREMENT****MINOR IN BIOLOGY**

Biology 220, 221, 320 and one other 300-400 level course as approved by the Head of the Department. 20

**COURSES IN BIOLOGY**

<b>101.</b>	<b>GENERAL BIOLOGY.</b>	<b>5 hours</b>
<i>Fall, Winter, Spring and Summer Quarters.</i>		
	An introductory course presenting the fundamental principles of life with special emphasis upon cellular organization and control followed by the evolutionary and ecological relationships of monerans, protists, and plants. Laboratory work includes the skills and processes of science, microscopic study of cell structure and function, applications thereof, and a brief survey of all major plant groups, excluding animals. Four lectures and one two-hour laboratory per week.	
<i>Fall, Winter and Spring quarters.</i>		
<b>102.</b>	<b>GENERAL BIOLOGY.</b>	<b>5 hours</b>
<i>Fall, Winter and Spring quarters.</i>		
	Prerequisite: Biology 101. A survey of the structural, functional, evolutionary and ecological relationships in the major animal phyla with emphasis on the study of the body systems, inheritance, and development of man. Laboratory work includes a survey of the major animal phyla, dissection of a vertebrate, and experiments in human physiology. Four lectures and one, two-hour laboratory per week.	
<b>103.</b>	<b>ENVIRONMENTAL SCIENCE.</b>	<b>5 hours</b>
<i>Spring Quarter.</i>		
	Prerequisite: Biology 101 or by permission of instructor. A survey course in the fundamentals of ecology and the application of ecological principles to certain current problems and issues in society. The laboratory will include field investigations and laboratory experimentation as well as trips to appropriate locations demonstrating concepts being studied. Four lectures and one two-hour laboratory per week.	

<b>220.</b>	<b>INVERTEBRATE ZOOLOGY.</b>	<b>5 hours</b>
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*Fall and Spring Quarters.*

Prerequisites: Biology 101 and 102 or by permission of Head of Department. This course precedes other upper-level courses in the department. The structure and activities of lower animals will be stressed. The student will acquire

dissection techniques and a knowledge of the phylogenetic relationships of the invertebrate animals. Three two-hour lecture/laboratory periods per week.

**221, 222.**

**BOTANY.**

**5, 5 hours**

*Fall and Winter Quarters.*

Prerequisites: Biology 101 or by permission of Head of Department. A study of the biology of plants to include structure, physiological processes, diversity, and evolutionary development. Biology 221 deals primarily with the structure, function, and growth of plant cells, tissues, and organs. Biology 222 places emphasis on the diversity and evolutionary development of the major plant groups. Additionally, both courses treat the basic aspects of plant taxonomy, heredity, and ecology. Four hours of lecture and one, two-hour laboratory period per week.

**250, 251.**

**HUMAN ANATOMY AND PHYSIOLOGY.**

**5,5 hours**

*Fall and Winter.*

A systematic study of the structure and function of the human body, beginning with a detailed examination of cell and tissue organization and proceeding through all the organ systems. The laboratory utilizes human models, animal dissections, human tissues and organs, and the equipment involved with the study of physiological processes. Four lectures and one, two-hour laboratory per week.

**280.**

**MEDICAL MICROBIOLOGY: INFECTION AND IMMUNITY.**

**5 hours**

*Spring Quarter.*

Prerequisites: Biology 101 and 102 or 250 and 251. A course designed for students preparing for medical and public health related fields. The course will include a basic background in microbiology with emphasis on practical technique and methods used in this field and on the epidemiology, pathology, diagnosis, immunology and therapy of microbial diseases of public health significance. The laboratory will involve the use of living microbes to develop skills in isolation, identification, cultivation and differential testing. Three lectures and two, two-hour laboratory periods per week.

**301.**

**PLANT TAXONOMY**

**5 hours**

*Spring Quarter.*

Prerequisites: Biology 221 and 222 or by permission of Head of the Department. An introductory plant taxonomy course utilizing the spring wildflowers of North Georgia to treat the principles of systematics, nomenclature, classification, phylogenetic relationships, and collecting techniques. Four lectures and one, two-hour laboratory period per week.

**310.**

**HUMAN FORM AND FUNCTION.**

**5 hours**

Prerequisites: Biology 102. An individual human anatomy and physiology course designed for physical education majors; open to Early Childhood and Middle Grades Education majors; deals primarily with the human skeletal, muscular, nervous, circulatory and respiratory systems. Laboratory study will include detailed study of charts, models and the dissection of a mammal using a systems approach. Four hours of lecture and one two-hour laboratory per week.

**315.**

**SEMINAR IN TEACHING OF BIOLOGY.**

**5 hours**

*Winter Quarter.*

Prerequisites: Biology 101 and 102 and a minimum of three 200-400 level Biology courses. A seminar in techniques and procedures for illustrating cen-

tral concepts in Biology. A survey of the history of science education and a consideration of modern perspectives in Biology are also included. This course is recommended for secondary education majors in Biology but is available to all who wish to gain insight into teaching in the Biological Sciences. The course consists of two one-hour and two two-hour meetings per week.

320.

**GENETICS.****5 hours***Winter and Summer Quarters.*

Prerequisite: Biology 102, or by permission of the Head of the Department. A study of the principles of heredity in plants and animals, with applications to human heredity. Four lectures and one, two-hour laboratory period per week.

321.

**COMPARATIVE ANATOMY OF THE VERTEBRATES.****5 hours***Winter Quarter.*

Prerequisite: Biology 220. A course especially for pre-medical students and biology majors who need preparation for more intensive study of anatomy. Representative vertebrates will be dissected and studied in the laboratory. Three lectures and two, two-hour laboratory periods per week.

323.

**PARASITOLOGY.****5 hours**

Prerequisite: Biology 220 or by permission of Head of Department. A course for biology majors and those in the pre-professional medical programs. The course will include a detailed study of the nature of parasitism, the classification, morphology and life histories of animal parasites and the epidemiology, pathology and treatment of parasitic diseases of man, domestic animals and other selected hosts. Three hours of lecture and two, two-hour laboratory periods per week.

324.

**INTRODUCTORY MICROBIOLOGY.****5 hours***Fall Quarter.*

Prerequisites: Biology 221 and two courses in Chemistry or by permission of the Head of the Department. An introduction to the principles of microbiology, utilizing the microorganisms to facilitate an understanding of the life processes. The course is designed for biology majors and students in preprofessional medical programs. The laboratory phase includes exercises to develop proficiencies in the microbiological techniques. Four lectures and one, two-hour laboratory period per week.

326.

**ECOLOGY.****5 hours***Spring Quarter.*

Prerequisites: Four courses in Biology or by permission of Head of Department. A study of plants and animals in their relations to each other and to the physical and chemical factors of the environment. Four lectures and one, three-hour laboratory periods per week.

340.

**IMMUNOLOGY.****5 hours***Winter Quarter.*

Prerequisites: Biology 280 or 324, and two courses in Chemistry or by permission of the Head of the Department. An introduction to the principles of immunology to include: structure and function of the cells participating in the immune response, structure and biology of antigens, antibodies, and lymphokines. Additionally, hypersensitivity, auto-immunity, molecular recognition at cell surfaces, and cancer biology will be treated. Laboratory exercises will demonstrate the basic antigen-antibody reactions, antibody titration, and the principles of diagnostic immunology. Four lectures and one, two-hour laboratory period per week.

350.	<b>PHYSIOLOGY.</b> <i>Fall Quarter.</i> Prerequisites: Biology 220 or 250. An advanced course which explores in detail the function of cells, tissues and organs. Students will examine and evaluate current literature in professional journals and conduct independent experiments which will be reported using an acceptable scientific format. Laboratory will include introduction to techniques in physiological research. The course meets for four lectures and one two-hour laboratory per week.	5 hours
430.	<b>CELL BIOLOGY.</b> <i>Spring Quarter.</i> Prerequisites: Two upper level Biology courses and two courses in Chemistry or by permission of the Head of the Department. An integrated approach to the biochemistry, physiology, and morphology of the plant, animal, and prokaryote cell. Topics include: cell architecture, energy transduction, regulatory and feedback pathways, organellogenesis, membrane biogenesis; and the methods and special problems encountered in studying these phenomena. Additional topics include: viroids and viruses, bacteria and plasmid technology, intracellular parasitism and symbiosis, specialized cells, antibody formation, hybridomas, and cancer cells. Four lectures and one two-hour laboratory per week.	5 hours
445.	<b>EVOLUTIONARY BIOLOGY.</b> <i>Winter Quarter.</i> Prerequisites: Four courses in Biology or by permission of Head of Department. A study of the principles of evolutionary biology utilizing specific examples. The course will begin with a historical review showing how evolutionary ideas became possible with the growth of biological knowledge. This will be followed by consideration of the mechanisms of evolution and of evolution as a process affecting contemporary organisms including humans. The latter portion of the course will deal with what has happened in the past and how we know about it, and will trace the evolutionary origins of the major groups of plants and animals culminating in a study of human evolution. Four lectures and one two-hour discussion/seminar sessions per week.	5 hours
460.	<b>MARINE BIOLOGY.</b> <i>Summer Quarter.</i> Prerequisites: Biology 220 or 326. This course will cover basic principles of marine ecology with particular emphasis on the marine communities of the Georgia coast. The student will become familiar with the dominant flora and fauna of each of the major coastal communities through extensive field and laboratory work as well as lectures. First-hand experience will be provided in qualitative and quantitative sampling methods, and techniques for the measurement of pertinent environmental parameters. Laboratory and lecture will be tied closely together and will consist of four hours of laboratory-lecture per day. There will be a one-week field trip to the coast. Participation in this trip is mandatory for successful completion of the course requirements.	5 hours
470.	<b>ANIMAL HISTOLOGY.</b> <i>Fall Quarter.</i> A study of selected tissues in the organ systems of Vertebrates. Laboratory work involves the microscopic study of Mammalian tissues. In addition, each student will use a number of microanatomic technics to prepare a series of animal tissue slides. Three lectures and two, two-hour laboratory periods per week.	5 hours

480.

**GENERAL EMBRYOLOGY.**

*Spring Quarter.*

**5 hours**

Prerequisites: Biology 321. A study of the germ cells and early development stages of vertebrates. Emphasis is placed on organology of the chick, pig, and human. Three lectures and two, two-hour laboratory periods per week.

475 a,b,c,d,e.

**SEMINAR IN BIOLOGY.**

**(each) 1 hour**

Prerequisites: Twenty hours in Biology or by permission of the Head of the Department.

495 a,b,c,d,e.

**INDEPENDENT STUDIES.**

**(each) 1 hour**

Offered on a voluntary basis to qualified biology majors during the junior and senior years by permission of the Head of the Department. The student will pursue advanced study under the supervision of a staff member.

# DEPARTMENT OF BUSINESS ADMINISTRATION

## H. Lawrence Dennis, Department Head

The general purpose of the Department of Business Administration is to provide a program of both liberal and specialized education that will prepare our students for beginning useful careers as business leaders or high school teachers.

The specific purposes of the Department of Business Administration are: 1. To provide the knowledge and analytical techniques that are essential to successful employment after graduation; 2. To develop within the student the ability to work with and to lead others; 3. To prepare students for the successful pursuit of graduate study in business administration, accounting, economics, office management, marketing, management, or business education.

### BACHELOR OF BUSINESS ADMINISTRATION DEGREE

Students enrolling in the Department of Business Administration have the option of pursuing a program of studies leading to the Bachelor of Business Administration Degree with a major in accounting, economics, finance, marketing, management, and office management; or leading to the Bachelor of Science Degree with a major in Business Education; or to an Associate of Science Degree in Office Administration; or a One-Year Proficiency Certificate in Secretarial Science.

### BUSINESS EDUCATION PROGRAMS

The objective of these programs is to prepare teachers of business subjects for high schools. The program for comprehensive certification is designed to prepare well-qualified teachers of all high school business subjects including shorthand. The program for bookkeeping and business management certification is designed to prepare well-qualified teachers of all high school business subjects with the exception of shorthand. Each program provides an appropriate balance of general education, business administration content, secretarial or clerical skills, and professional education courses. Both programs meet the certification requirements of the State Department of Education, and the graduate will be eligible for the T-4 Certificate.

### ASSOCIATE OF SCIENCE DEGREE IN OFFICE ADMINISTRATION

COURSES	HOURS CREDIT
English 101, 102	10
Mathematics 101	5
Psychology 101	5
Political Science 101	5
Business Administration 110*, 111, 112, 114**, 115, 116, 118, 216, 221, 222, 231, 232, 251, 261	55-62
Course to satisfy Georgia History Requirement or an elective	5
Electives to bring total number of credit hours to 95 exclusive of basic physical education	

Other requirements. One course in physical education each quarter to include Personal Fitness (PE 103) and Swimming (PE 104).

\*Not open to students having more than one year of high school credit in typewriting/keyboarding.

\*\*Students presenting high school credit in shorthand may substitute an approved course for such high school credit.

**ONE-YEAR SECRETARIAL SCIENCE PROGRAM****COURSES**

	<b>HOURS CREDIT</b>
English 101 or SS 50*	5-0
Math 101 or SS 52*	5-0
Business Administration 110**, 111, 112, 114**, 115, 116, 118, 231, 251, 261	42
Electives to bring total credit hours to 50 (40 for those students in special studies) exclusive of basic physical education	

\*Special Studies 50 and Special Studies 52 are acceptable for the One-Year Proficiency Certificate in Secretarial Science. Students desiring to apply credits toward a college degree must complete English 101 and Math 101.

\*\*Students presenting high school credit in shorthand and/or typewriting/keyboarding may substitute other approved courses for such secretarial courses as are replaced.

**ACCOUNTING, ECONOMICS, FINANCE, MANAGEMENT, MARKETING OR OFFICE MANAGEMENT****CORE CURRICULUM REQUIREMENTS**

<b>AREA I — HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II — MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101-102, or 119-120	10
Courses from English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Biology 101-102; 101-103 Chemistry 101-102; 115-116; 121-122 Physics 101-102; or 115-116; or 223-224; or 223-225; or Astronomy 104-105	10
Fine Arts 252 or Art 150, 151, 152, or Music 205 or any appropriate course in the Modern Languages	0-5		
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Business Administration 221, 222, 231,	
100-200 level History courses	5-15	232, 251, 261	30
Courses selected from the following: Anthropology 100 Psychology 101, 205 Sociology 100,	0-10		

**ACCOUNTING MAJOR (For Core Curriculum Requirements see above)****COMMON BODY OF KNOWLEDGE:**

Business Administration 344, 351, 352, 361, 371, 392, 425 or 321, 495	40
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**MAJOR COURSES:**

Business Administration 331, 332, 333, 435, 436, 438	30
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**ELECTIVES (To bring total number of credit hours to at least 185 exclusive of Physical Education)**

MILITARY SCIENCE REQUIREMENTS (For Military Students)	18
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**BASIC PHYSICAL EDUCATION REQUIREMENTS****U.S. AND GEORGIA CONSTITUTION REQUIREMENT****U.S. AND GEORGIA HISTORY REQUIREMENT****ECONOMICS MAJOR (For Core Curriculum Requirements see above)****COMMON BODY OF KNOWLEDGE:**

Business Administration 344, 351, 352, 361, 371, 392, 425, 495	40
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## North Georgia College

### MAJOR COURSES:

Business Administration 321, 322, 426, 427, 428, 446

30

ELECTIVES (To bring total number of credit hours to at least 185  
exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (For Military Students)

18

BASIC PHYSICAL EDUCATION REQUIREMENTS

6

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

### FINANCE MAJOR (For Core Curriculum Requirements see above)

#### COMMON BODY OF KNOWLEDGE:

Business Administration 344, 351, 352, 361, 371, 392, 425, 495

40

#### MAJOR COURSES:

Business Administration 341, 446, 447, 448 and any 2 of the following:

Business Administration 321, 322, 331, 332, 342, 427, 435

30

ELECTIVES (To bring total number of credit hours to at least 185  
exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (For Military Students)

18

BASIC PHYSICAL EDUCATION REQUIREMENTS

6

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

### MANAGEMENT MAJOR (For Core Curriculum Requirements see above)

#### COMMON BODY OF KNOWLEDGE:

Business Administration 344, 351, 352, 361, 371, 392, 425 or 321, 495

40

#### MAJOR COURSES:

Business Administration 426, 436, 455, 465; 5 hrs. from 364, 466, 474; 5 hrs. from

Business Administration 319, 341, 362, 427, 435, 446, 447.

30

ELECTIVES (To bring total number of credit hours to at least 185  
exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (For Military Students)

18

BASIC PHYSICAL EDUCATION REQUIREMENTS

6

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

### MARKETING MAJOR (For Core Curriculum Requirements see above)

#### COMMON BODY OF KNOWLEDGE:

Business Administration 344, 351, 352, 361, 371, 392, 425 or 321, 495

40

#### MAJOR COURSES:

Business Administration 372, 364 or 466, 465, 474, 475, 476

30

ELECTIVES (To bring total number of credit hours to at least 185  
exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (For Military Students)

18

BASIC PHYSICAL EDUCATION REQUIREMENTS

6

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

**OFFICE MANAGEMENT MAJOR** (For Core Curriculum see above)

## COMMON BODY OF KNOWLEDGE:

Business Administration 361, 371, 392, 425 or 321

20

## MAJOR COURSES:

Business Administration 310\*, 311, 312, 314\*\*, 315, 318, 362 or 437, 416, 426, 465, 466 45-52

ELECTIVES (To bring total number of credit hours to at least 185  
exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (For Military Students) 18

BASIC PHYSICAL EDUCATION REQUIREMENTS 6

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

**OFFICE MANAGEMENT WITH LANGUAGE SKILLS**

(For Core Curriculum Requirements see above)

## COMMON BODY OF KNOWLEDGE:

Business Administration 361, 371, 392, 425 or 321

20

## MAJOR COURSES:

Business Administration 310\*, 311, 312, 314\*\*, 315, 316, 318, 416, 426, 465, 466 and 40-47

FOREIGN LANGUAGE (French, Spanish, German) 102, 211, 212, 301, 302, 315 30

ELECTIVES (To bring total number of credit hours to at least 185  
exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (For Military Students) 18

BASIC PHYSICAL EDUCATION REQUIREMENTS 6

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

**MAJOR IN BUSINESS EDUCATION  
FOR BOOKKEEPING AND  
BUSINESS MANAGEMENT CERTIFICATION**

**CORE CURRICULUM REQUIREMENTS**

<b>AREA I — HUMANITIES . . . . .</b>	<b>HOURS</b>	<b>CREDIT</b>	<b>AREA II — MATHEMATICS . . . . .</b>	<b>HOURS</b>	<b>CREDIT</b>
English 101-102 . . . . .	10		Mathematics 101-102; or 113H, or 119-120 . . . . .	5-10	
Courses from English 203, 204 205, 206, 207 . . . . .	5-10		Sciences: (one ten-hour sequence) . . . . .	10	
Fine Arts 252			Biology 101-102		
Art 150, 151, 152			Chemistry 101-102; or 121-122		
MUSIC 205 or any appropriate course in Modern Language	0-5		Physical Science 115-116		
			Physics 101-102; or 223-234; or 223-225; or Astronomy 104-105		

<b>AREA III — SOCIAL SCIENCE . . . . .</b>	<b>HOURS</b>	<b>CREDIT</b>	<b>AREA IV — COURSES APPRO- . . . . .</b>	<b>HOURS</b>	<b>CREDIT</b>
Political Science 101 . . . . .	5		Psychology 101, Anthropology 100, or Sociology 100 . . . . .	5	
100-200 level courses in History . . . . .	10		Education 204 . . . . .	5	
Business Administration 221 . . . . .	5		Speech 211, Art, Music, or Drama . . . . .	5	

\*Not open to students having more than one year of high school credit in typewriting/keyboarding.

\*\*Students presenting high school credit in shorthand may substitute other approved courses.

**TEACHING MAJOR**

Business Administration 222, 251, 311, 312, 318, 331, 332, 352, 361, 392	45
PROFESSIONAL EDUCATION COURSES Education 305, 311C, 421C, 431C	30
OTHER REQUIREMENTS Physical Education 390; 309 Special Education 360	6 5
ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)	
MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)	18
BASIC PHYSICAL EDUCATION REQUIREMENTS	6
U.S. AND GEORGIA CONSTITUTION REQUIREMENT	
U.S. AND GEORGIA HISTORY REQUIREMENT	

**MAJOR IN BUSINESS EDUCATION  
FOR COMPREHENSIVE CERTIFICATION**

**CORE CURRICULUM REQUIREMENTS**

AREA I — HUMANITIES	HOURS CREDIT	AREA II — MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101-102	10	Mathematics 101-102; or 113H, or 119-120	
Courses from English 203, 204 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Biology 101-102	5-10 10
Fine Arts 252 (or any appropriate course in Modern Language)		Chemistry 101-102; or Physical Science 115-116	
Art 150, 151, 152		Physics 101-102; or 223-234; or 223-235; or	
MUSIC 205		Astronomy 104-105	
AREA III — SOCIAL SCIENCE	HOURS CREDIT	AREA IV — COURSES APPROPRIATE TO MAJOR FIELD	HOURS CREDIT
Political Science 101	5	Psychology 101, Anthropology 100, or Sociology 100	5
100-200 level courses in History	10	Education 204	5
Business Administration 221	5	Speech 211, Art, Music, or Drama	5
		Business Administration 231, 232, 261	15

**TEACHING MAJOR**

Business Administration 222, 251, 311, 312, 315, 316, 318, 361, 392, 416	45
PROFESSIONAL EDUCATION SEQUENCE Education 305, 311C, 421C, and 431C	30
OTHER REQUIREMENTS Physical Education 309, 390; Special Education 360	6 5

**ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)**

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS**

6

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S. AND GEORGIA HISTORY REQUIREMENT**

## **ECONOMICS—SECONDARY EDUCATION**

**Core Curriculum—Area IV**

Math 240, Business Administration 221, 222, 251

20

Anthropology 100, History 205,

Political Science 205, Psychology 205

10

(For other Core Curriculum Requirements see above)

### **COURSES IN THE MAJOR**

Business Administration 321, 322, 323, 352, 425, 428

30

### **COURSES IN A RELATED FIELD**

10 hours of 300-400 level Business Administration courses

10

### **PROFESSIONAL EDUCATION SEQUENCE**

Education 204, 305, 311c, 421c, 431c

35

### **OTHER REQUIREMENTS**

Physical Education 309, 390

6

Special Education 360

5

**ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)**

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S. AND GEORGIA HISTORY REQUIREMENT**

## **MINOR IN ACCOUNTING**

Business Administration 231, 232, 331, 332, and 10 hours of Business Administration courses subject to the approval of the major and minor advisor.

30

## **MINOR IN BUSINESS ADMINISTRATION**

Required Business Administration 221\*, 222\*, 231, 232, 361, 371 and any two courses from Business Administration 344, 351, 352, 372, 455, 465, 466

\*May be used as part of Area III.

## **MINOR IN ECONOMICS**

Business Administration 221, 222, 321, 322, and 10 hours of Business Administration courses subject to the approval of the major and minor advisor.

30

## **MINOR IN OFFICE ADMINISTRATION**

Business Administration 221, 231, 311, 312, 315, 316, and 5 hours of Business Administration subject to the approval of the major and minor advisors.

## DUAL DEGREE PROGRAM WITH GEORGIA INSTITUTE OF TECHNOLOGY

The Dual Degree Program offered by North Georgia College and Georgia Institute of Technology provides a student with the opportunity to attend a liberal arts college for three years before embarking on professional academic work at Georgia Tech. Two options are available under the Dual Degree Program.

First, a student may complete 144 hours at North Georgia College and apply for entrance into the Bachelor of Science in Industrial Management, Bachelor of Science in Management Science or the Bachelor of Science in Economics at Georgia Tech. The student would be required to take approximately 90 hours at Georgia Tech. Upon completion of the 90 hours at Georgia Tech, the student would be awarded the BBA from North Georgia College and the BS from Georgia Tech.

Second, the student may elect to complete 163 hours at North Georgia College and apply for the Master's of Science in Industrial Management at Georgia Tech. The student upon acceptance to Georgia Tech would need to complete 72 hours to be awarded the MSIM. Upon completing the first 22 hours of graduate study at Georgia Tech, the student will be awarded the BBA from North Georgia College.

### DUAL DEGREE REQUIREMENTS:

- 1A. For the BS, complete 144 quarter hours at North Georgia College as outlined below (exclusive of PE requirements).
- 1B. For the MISM, complete 163 quarter hours at North Georgia College (exclusive of PE requirements)
2. Obtain recommendation of Dual Degree Coordinator at North Georgia College.
3. Maintain a college grade point average and specified test results which would indicate that the student could satisfactorily complete the degree requirements at Georgia Tech.
4. Complete a Georgia Tech program which equals the number of credit hours required of normal juniors and seniors enrolled in the standard curriculum for the degree being sought.
5. If the official study program at Georgia Tech (BSIM) includes electives and the candidate has excessive hours at North Georgia College, he may petition that these excess hours be used as transfer credits to Georgia Tech. Such transfer credit shall not amount to more than one half of the official study program at Georgia Tech.

### DUAL DEGREE — BBA/MSIM

	CREDIT HRS.	TOTAL
<b>AREA I — HUMANITIES</b>		
English 101, 102	10	
Courses from Eng. 203, 204, 205, 206, 207	<u>10</u>	20
<b>AREA II — MATHEMATICS AND NATURAL SCIENCES</b>		
Mathematics 119, 120	10	
A sequence from: Biology 101, 102 Chemistry 121, 122 Physics 223, 224 or Physics 223, 225	<u>10</u>	20

**DUAL DEGREE — BBA/MSIM**

	CREDIT HRS.	TOTAL
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**AREA III — SOCIAL SCIENCES**

History 100	5	
Political Science 101	5	
Any 10 hours from:		
100-200 History, Anthropology, Psychology or Sociology	<u>10</u>	20

**AREA IV —**

Mathematics 245, 246	10	
Business Administration 221, 222, 231, 232	<u>20</u>	30

**COURSES LEADING TO THE BBA:**

Business Administration 251, 321, 322, 351, 352, 361, 371, 344	<u>40</u>	40
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**ADDITIONAL COURSES TO BRING THE TOTAL CREDIT  
HOURS TO 163 EXCLUSIVE OF PE:**

Business Administration 331, 332, 435, 436, 341, 392, 425, 426, 446, 447, 455, 448. Math 247 or any course above Math 247. Computer Science 151, 251, 252, 253, 351, 352, and Military Science	33	33
		163

**DUAL DEGREE — BBA/BS****AREA I — HUMANITIES**

English 101, 102	10	
Select from 203, 204, 205, 206, 207	<u>10</u>	20

**AREA II — MATHEMATICS AND NATURAL SCIENCES**

Mathematics 119, 120	10	
A sequence from: Biology 101, 102 Chemistry 121, 122 Physics 223, 224 or Physics 223, 255	<u>10</u>	20

**DUAL DEGREE — BBA/BS**

	CREDIT HRS.	TOTAL
<b>AREA III —</b>		
History 100	5	
Political Science 101	5	
Select from any 100-200 level of History, Anthropology, Psychology or Sociology	<u>10</u>	<b>20</b>
<b>AREA IV —</b>		
Math 245, 246	10	
Business Administration 221, 222, 231, 232	<u>20</u>	<b>30</b>
<b>HOURS REQUIRED TO BE COMPLETED AT NGC:</b>		
Business Administration 321, 322, 344, 351, 352, 361, 371		
Mathematics 247	<u>40</u>	<b>40</b>
<b>ADDITIONAL COURSES TO BRING THE HOURS AT NGC TO A TOTAL OF 144 EXCLUDING PE MAY BE SELECTED FROM THE FOLLOWING:</b>		
Any Math beyond Math 247		
Computer Science 151, 251, 252, 253, 351, 352 or		
Business Administration 331, 392, 425, 436, 446, 448, 455	<u>14</u>	<b>144</b>

# COURSES IN BUSINESS ADMINISTRATION

**221. PRINCIPLES OF MACROECONOMICS. 5 hours**  
 This course provides an introduction to economic analysis by presenting an overall picture of the operation of our economy. Specific topics covered include economic institutions of American capitalism, employment theory, fiscal policy, money and banking, monetary policy, and economic growth.

**222. PRINCIPLES OF MICROECONOMICS. 5 hours**  
 Prerequisite: Business Administration 221. A study of economics which concentrates on the determination of prices in competitive and monopolistic markets, distribution of income along functional lines, international trade, and comparative economic systems.

**231. PRINCIPLES OF ACCOUNTING. 5 hours**  
 An introductory course in standard accounting practice. Recognized procedures and conventions are used in recording, analyzing and interpreting financial records. Emphasis is placed on the proprietorship form of business organization.

**232. PRINCIPLES OF ACCOUNTING. 5 hours**  
 Prerequisite: Business Administration 231. A continuation of Business Administration 231 with emphasis on the partnership and corporate forms of business organizations. In addition, manufacturing operations and further analytical processes are studied.

**251. ELECTRONIC DATA PROCESSING AND INFORMATION SYSTEMS. 5 hours**  
 A study of the basic principles of electronic data processing from the point-of-view of their application to the assembling, storing, and processing of business and economic data appropriate to decision making. Problems in management science necessitating the use of the computer will be programmed and processed.

**261. BUSINESS COMMUNICATIONS. 5 hours**  
 Prerequisites: English 101 and 102. Practice in the use of correct and forceful English in writing business letters and in oral and written reports. The incorporation of goodwill in the study and analysis of inquiry, request, sales, credit, adjustment, and application letters.

**306. ECONOMIC AND SOCIAL HISTORY OF THE U.S. TO 1865. 5 hours**  
 A history of American agriculture, transportation, mining, fishing, manufacturing, banking and labor from the beginning to 1865. Emphasis is placed on economic developments and how economic activity affected the lives of the people.

**307. ECONOMIC AND SOCIAL HISTORY OF U.S. — 1865 TO PRESENT. 5 hours**  
 A History of American agriculture, transportation, mining, fishing, banking, manufacturing, mining and labor since 1865. Emphasis is placed on economic developments and how economic activity affected the lives of the people.

309.

**PERSONAL TYPEWRITING/KEYBOARDING.**

**2 hours**

*Fall/Winter/Spring Quarters*

An introductory course in keyboarding for business and non-business students. Designed for personal use with emphasis on machine operation, centering copy, letter styles, tabulated tables, and manuscripts. Very helpful for students who will be using data processors and CRT's.

310-

**BEGINNING TYPEWRITING/KEYBOARDING.**

**2 hours**

110.

*Fall Quarter*

An introductory course in keyboarding with major emphasis given to the techniques of machine operation, speed, accuracy, and continuity and control of movement in the development of usable keyboarding skills. Personal- and business-letter styles, centering, tabulation, and manuscripts are introduced.

311-

**INTERMEDIATE TYPEWRITING/KEYBOARDING.**

**2 hours**

111.

*Winter Quarter*

Prerequisite: Business Administration 310 or equivalent. A continuation of Business Administration 310. Further study of the theory and techniques of keyboarding, including a thorough study of business-letter forms, tabulated material, and manuscripts. Successful completion of this course requires a speed of 45 words a minute.

312-

**ADVANCED TYPEWRITING/KEYBOARDING.**

**3 hours**

112.

*Spring Quarter*

Prerequisite: Business Administration 311 or equivalent. A continuation of 311. Major emphasis is on the development of speed and accuracy sufficient for vocational use — production typing in the areas of business, industry, government. Successful completion of this course requires a speed of 60 words a minute.

314-

**BEGINNING SHORTHAND.**

**5 hours**

114.

*Fall Quarter*

The theory of Gregg Shorthand with sufficient practice to develop skill in taking dictation at a speed of 60 words a minute. Personal use as well as vocational values are emphasized. Credit not given until Business Administration 315/115 is completed.

315-

**INTERMEDIATE SHORTHAND.**

**5 hours**

115.

*Winter Quarter*

Prerequisite: Business Administration or equivalent. A continuation of Business Administration 314. Sufficient practice is provided to develop skill in taking dictation at a speed of 80 words a minute.

316-

**ADVANCED SHORTHAND.**

**5 hours**

116.

*Spring Quarter*

Prerequisite: Business Administration 315 or equivalent. A continuation of Business Administration 315. Rapid dictation and transcription are the major objectives. A dictation speed of 100 words a minute is required.

318-

**OFFICE MACHINES.**

**5 hours**

118.

*Fall Quarter*

Prerequisite: Business Administration 311 or equivalent. An introductory course covering various types of office machines and their use. Students receive instruction and individual work on display and printing calculators, dictating/transcribing machines, direct and indirect process duplicating machines, electronic typewriter, and other machines in common use in modern business offices.

318-  
(a),  
(b).**OFFICE MACHINES.****1, 1 hour**

Business Administration 318a. (1 hour). An introductory course covering the electronic display calculator with business applications. Students receive instruction and do individual problem work.

Business Administration 318b. (1 hour). An introductory course covering the electronic printing calculator with business applications. Students receive instruction and do individual problem work.

These courses, 318(a), (b) are proposed to better secure the needs of the departmental major. Students in the Office Administration or Business Education programs would continue to take Business Administration 318 as a regularly scheduled 5-hour course. Other students could register for one or both courses depending upon their needs and schedules.

319.

**WORD PROCESSING CONCEPTS.****5 hours**

*Winter Quarter*

Prerequisite: Business Administration 310 or equivalent. An introductory course in Word Processing. Various facets of Word Processing are covered which thoroughly acquaint the student with the evolution of Word Processing, an analysis of Word Processing equipment, training Word Processing personnel and management, Word Processing manuals, production standards, and career paths.

321.

**INTERMEDIATE MACROECONOMIC ANALYSIS.****5 hours**

Prerequisites: Business Administration 221 and 222. An intensive study of the measurement, analysis, and control of aggregate economic activity. The economic principles underlying national income, business cycles, and growth are examined, and particular attention is given to problems involved in formulating economic policies.

322.

**INTERMEDIATE MICROECONOMIC ANALYSIS.****5 hours**

Prerequisites: Business Administration 221 and 222. An intensive study of price theory and its uses. Specific topics covered include the theory of demand, the theory of the firm, pricing in competitive and monopolistic markets, and the pricing of economic resources.

323.

**CONSUMER ECONOMICS.****5 hours**

This course is designed for teachers and those students who desire a detailed study of consumer problems. The more important elements of consumer education are reviewed including consumer goods, consumer services, buying problems, consumer organization, problems of personal finance, and well-balanced spending programs.

331.

**INTERMEDIATE ACCOUNTING.****5 hours**

*Fall Quarter.*

Prerequisites: Business Administration 232. An advanced study of the accounting theory, principles, and procedures of corporate, partnership, and proprietorship forms of business. This includes the fundamental accounting processes, financial statements, working capital items, valuation procedures, current liabilities, investment, and plant and equipment acquisition and use.

332.

**INTERMEDIATE ACCOUNTING.****5 hours**

*Winter Quarter.*

Prerequisite: Business Administration 331. A continuation of Business Administration 331. Major emphasis is devoted to accounting for intangibles, long-term debt, corporate capital, retained earnings, analytical processes, and statements of applications of funds.

333.	<b>ADVANCED ACCOUNTING.</b> <i>Spring Quarter.</i> Prerequisite: Business Administration 332. A more advanced study of accounting procedures with attention given to the more difficult and specialized phases that arise in consignment, installment, sales, larger organizations, consolidations, estates and trusts, and actuarial science.	5 hours
341.	<b>RISK AND INSURANCE.</b> <i>On Demand.</i> Studies in the nature of risk and the role of insurance in risk management from individual and business viewpoints by considering the insurance carrier's contracts underwriting and regulation. Special emphasis is placed on home-owners, auto, life, health insurance.	5 hours
342.	<b>REAL ESTATE.</b> <i>On Demand.</i> A study of the concepts, principles, practices, and laws relating to acquiring, holding, utilizing, and disposing of real property.	5 hours
344.	<b>CORPORATE FINANCE.</b> Prerequisites: Mathematics 101, 102 and Business Administration 231, 232. A study of financial concepts with emphasis on understanding how the principles of financial management can be used to enhance the value of a firm. Topics include the time value of money, valuation models for bonds and stocks, the relationship of risk and rate of return, capital management, fundamentals and financial statement analysis.	5 hours
351.	<b>QUANTITATIVE METHODS I — MATHEMATICAL ANALYSIS FOR BUSINESS.</b> Prerequisites: Mathematics 101, 102 and Business Administration 221, 222. An introductory course in quantitative methods and concepts used as an aid in the analysis of business problems for decision making. A brief review of relevant mathematical subjects is conducted. Topics include decision models under conditions of uncertainty, linear programming, forecasting techniques, CPM, PERT, Monte Carlo simulation, and others. This course should be taken as soon as prerequisites are satisfied and followed as soon as possible by QM II.	5 hours
352.	<b>QUANTITATIVE METHODS II — STATISTICAL ANALYSIS FOR BUSINESS.</b> Prerequisite: MATH 101, 102 and Business Administration 351. A course in statistical methods with special reference to economic and business applications. Topics include probability distributions, sampling and hypothesis testing, statistical decision theory, regression and correlation, time series and trend, and index numbers.	5 hours
361.	<b>PRINCIPLES OF MANAGEMENT.</b> This course is designed to familiarize students with the functions of the management process. Major emphasis is devoted to planning, organizing, and controlling and their subfunctions. Attention is given to the new techniques and tools of planning. This course should be taken early in the junior year.	5 hours

**362.** **INDUSTRIAL PSYCHOLOGY.** **5 hours**  
 The application of psychological principles to human problems in industry, including areas of personnel selection and appraisal, motivation and work, leadership and human performance. Crosslisted as Psychology 362.

**364.** **SMALL BUSINESS MANAGEMENT.** **5 hours**  
 A complete coverage of sound business practices for starting and operating a small business establishment.

**371.** **PRINCIPLES OF MARKETING.** **5 hours**  
 Prerequisites: Business Administration 221 and 222. A functional study of market organization designed to introduce the student to the major institutions and basic theories in the field of marketing. Levels of marketing, organizations operations at each level and their functions, price policy, marketing cost and relative efficiency of various marketing methods are principal topics. This course should be taken early in the junior year.

**372.** **ADVERTISING.** **5 hours**  
 Prerequisite: Business Administration 371. A study designed to examine theory and practical application of media selection, budgeting, advertisement construction, along with the economical and social effects of advertising.

**392.** **BUSINESS LAW.** **5 hours**  
 A study of contracts; sales; bailments; negotiable instruments; the law of employment, partnership, and corporations; and risk-bearing devices. Reference is made to modern legislation affecting business and employers.

**399.** **READINGS IN BUSINESS ADMINISTRATION.** **2 hours**  
 Independent reading from selected literature in the fields of Management, Marketing, Economics, Accounting and Business Education. The course may be an independent study under the supervision of a member of the Business faculty or may be a formal class. Written and oral reports will be expected of each student in connection with each of the assigned readings. This course may be taken a total of six times.

**416-**  
**216.** **ADVANCED SECRETARIAL PRACTICE/OFFICE PRACTICE.** **5 hours**  
*Spring Quarter*  
 Prerequisite: Business Administration 312 and Business Administration 316. This course develops office proficiency. Activities of the modern office will be observed with emphasis on public relations, Word Processing, administrative support services, placement, advancement, and supervision.

**425.** **MONEY AND BANKING.** **5 hours**  
 Prerequisites: Business Administration 221, 231. A study of the basic principles and concepts of money and credit and their importance in the present economy. The major topics emphasized are the key role of the commercial banking system in our economy, central banking as a means of expanding and stabilizing the supply of money and credit, monetary theory, monetary and fiscal policies, international banking and finance, and other banking and credit institutions.

**426. LABOR ECONOMICS. 5 hours**  
Prerequisites: Business Administration 221 and 222. A study of the origin of the labor movement; population and the labor force; organized labor; union organization and management; collective bargaining; and the problems of unemployment, full employment, wage theory and policies, and labor legislation.

**427. INTERNATIONAL TRADE. 5 hours**  
Prerequisite: Business Administration 221, 222. A study of economic principles applicable to trade between nations covering such topics as the balance of payments, foreign exchange rate determination, price and income effects on the composition and level of trade, and economic development relating to trade policy.

**428. DEVELOPMENT OF ECONOMIC THOUGHT. 5 hours**  
Prerequisites: Business Administration 221 and 222. A study of the development of economic ideas with major emphasis on writers. The purpose of the course is to establish a synthesis of evolving doctrines which provide the basis of currently accepted economic theory.

**435. INCOME TAX ACCOUNTING. 5 hours**  
Prerequisites: Business Administration 232. A study of federal income tax laws. The various types of returns are studied and emphasis is placed on the determination of income and legal deductions in order to determine taxable net income.

**436. COST ACCOUNTING. 5 hours**  
Prerequisites: Business Administration 232. A study of the theory and practice of accounting for manufacturing and selling costs. Detailed consideration is given to elements of cost — direct labor, direct materials, and factory overhead. Process, job order, and standard cost systems are also emphasized.

**437. MANAGERIAL ACCOUNTING. 5 hours**  
Prerequisites: Business Administration 232. A study of the use of accounting as a tool in the decision making process. Major topics covered include budgeting, gross profit, and break-even and cost profit-volume analysis; capital expenditures, and internal profit measurement.

**438. AUDITING. 5 hours**  
Prerequisites: Business Administration 332. A course in the theory and practice of professional and general auditing. Auditing standards, internal control, government regulation, and formal report writing are other major topics emphasized.

**446. PUBLIC FINANCE. 5 hours**  
Prerequisites: Business Administration 221 and 222. A study of the principles and techniques of government debt; specific tax and non-tax revenues; and expenditures at the national, state and local levels.

**447. INVESTMENT MANAGEMENT. 5 hours**  
The purpose of the course is to provide training in the formulation of investment programs and the determination of policy. Topics studied include sources of information for the investor, types of securities, security markets and their operation, movement of security prices, types of industries and their

characteristics, analysis of financial statements, and investment principles and safe-guards.

**448. FINANCIAL POLICY AND ANALYSIS.****5 hours**

Prerequisites: Business Administration 344. A course is designed primarily for finance majors in their last quarter. The financial topics of Business Administration 344 are extended and amplified. Financial analysis and decision alternatives are emphasized with appropriate case studies.

**455. PRODUCTION MANAGEMENT.****5 hours**

Prerequisite: Business Administration 351, 352, 361. The objective of this course is to familiarize the student with the nature and scope of production management in modern industry. The topics emphasized are production planning and scheduling, plant layout, materials handling, inventory control, quality control, and related topics from the point-of-view of both the human and material elements of the production system.

**465. PERSONNEL MANAGEMENT.****5 hours**

Prerequisite: Business Administration 361 or permission from the BA Dept. A study of the principles and procedures of the recruitment, selection, and placement of a labor force. Treatment of grievances, problems of collective bargaining, compensation policies, merit rating, promotion, transfer and discharge, training and personnel records are emphasized.

**466. RETAILING MANAGEMENT.****5 hours**

Prerequisite: Business Administration 361, 371. A study of the organization, planning, policies, procedures, problems, and controlling of the various types of retailing institutions. The major topics emphasized include the selection of retailing locations, organization of retailing establishments; merchandising policies and procedures; retailing services; and the selection, training, compensation and supervision of retailing personnel.

**468. MANAGEMENT IN THE NON-PROFIT ORGANIZATION.****5 hours**

An examination of management principles applied to the non-profit organization. Topics covered would include but not be limited to planning, organizing, staffing, and controlling.

**474. SALES MANAGEMENT.****5 hours**

Prerequisite: Business Administration 361, 371. A study emphasizing the role of personal selling within the marketing mix, including principles of selling, building of organizations, controlling and evaluating the sales force.

**475. MARKETING RESEARCH.****5 hours**

Prerequisite: Business Administration 351, 352, 371. Methods of scientific research used in solving business problems; emphasizing information sources, data collection and analysis, and writing of the research report.

**476. MARKETING MANAGEMENT.****5 hours**

Prerequisite: Business Administration 361, 371. A study of various policies and problems requiring decisions by marketing management in the areas of product policy, distribution policies and physical distribution, pricing, advertising, sales promotion, and management of personal selling.

485.	<b>GEORGIA INTERN PROGRAM IN BUSINESS ADMINISTRATION.</b>	<b>5-15 hours</b>
495.	<b>BUSINESS POLICY DECISION MAKING.</b>	<b>5 hours</b>
	Prerequisite: Senior Standing. The application of managerial financial, marketing, and accounting principles to the specific problems involved in the formulation of consistent business policies and the maintenance of efficient organization. Some use of cases and management simulation exercises are included.	
499.	<b>CURRENT TOPICS IN BUSINESS ADMINISTRATION.</b>	<b>1 hour</b>
	A course designed to cover current topics in businesses. The student must have at least senior standing. The course may be taken a maximum of three quarters.	

# DEPARTMENT OF CHEMISTRY

**Thomas C. Davis, Department Head**

The Department offers courses leading to either a professional major or non-professional major.

## THE PROFESSIONAL CURRICULUM IN CHEMISTRY

If a student pursues a professional curriculum major, it is presumed that the student wishes to become a professional chemist. The student is also prepared to enter graduate school in order to secure an M.S. or Ph.D. degree in preparation for a career in chemical research. Since the requirements for a Bachelor of Science Degree in Chemistry are rather demanding, a student should maintain a general average of C+ and a B average in science. If he should not do so, he will be asked to shift to the non-professional degree. The non-professional degree will not prepare the student to enter graduate school in Chemistry.

## THE NON-PROFESSIONAL CURRICULUM IN CHEMISTRY

This curriculum is designed for those students who wish to study chemistry but who do not want to do chemical research. Such students might feel that chemistry would contribute toward a related profession; such as medicine, engineering, military, laboratory technician, high school teaching or chemical sales. Although high scholarship is to be sought, the non-professional curriculum is less demanding in breadth of courses in chemistry and mathematics than is the professional curriculum.

### MAJOR IN CHEMISTRY — PROFESSIONAL

#### CORE CURRICULUM REQUIREMENTS

AREA I — HUMANITIES	HOURS CREDIT	AREA II — MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101-102	10	Mathematics 119 or 120	5
Courses from English 203, 204, 205, 206, 207	10	Sciences: (one ten-hour sequence) Biology 101-102 Chemistry 121-122 Physics 223-224; or 223-225 Any course listed above not taken in the ten-hour sequence or Math 120 or 245	10
AREA III — SOCIAL SCIENCE	HOURS CREDIT	AREA IV — COURSES APPROPRIATE TO MAJOR FIELD	HOURS CREDIT
Political Science 101	5	Chemistry 123, 204	10
History 100-200 level courses	5-15	Physics 223-224-225	0-10
Courses from the following: Anthropology 100 Psychology 101, 205 Sociology 100 Business Admin. 221, 222	0-10	Biology 101, 102, 220 Mathematics 120-246	0-10

# North Georgia College

## CHEMISTRY MAJOR

Chemistry 123, 204, 331, 332, 333, 341, 342, 343 and two additional courses at the 400 level approved by the department head

50

OTHER REQUIREMENTS: Physics 223, 224, and 225

15

OTHER REQUIREMENTS: Math 245, 246 and 247

15

## COURSES IN THE MINOR

Biology, Physics, or Mathematics (requirements for minor are listed in each departmental offering)

30-20-25

ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)

18

BASIC PHYSICAL EDUCATION REQUIREMENTS

6

MODERN LANGUAGE REQUIREMENTS: German 101, 102 and 211; or 211 and 212

U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

## MAJOR IN CHEMISTRY— NON-PROFESSIONAL

### CORE CURRICULUM REQUIREMENTS

#### AREA I — HUMANITIES

English 101-102

**HOURS  
CREDIT**

10

Courses from English 203, 204, 205, 206, 207

#### AREA II — MATHEMATICS AND NATURAL SCIENCE

Mathematics 101 or 119

**HOURS  
CREDIT**

5

Sciences: (one ten-hour sequence)

10

Biology 101-102

Chemistry 121-122

Physics 223-224 or 223-225

Any science course listed above not taken in the ten-hour sequence or Math 120, or Math 245

5

#### AREA III — SOCIAL SCIENCE

Political Science 101

**HOURS  
CREDIT**

5

History 100-200 level courses

5-15

#### AREA IV — COURSES APPROPRIATE TO MAJOR FIELD

Chemistry 123, 204

**HOURS  
CREDIT**

10

Physics 223-224-225

0-10

Biology 101, 102, 220

0-10

Mathematics 120-245-246

0-10

Courses form the following:

Anthropology 100;

Business Admin. 221, 222

Psychology 101

Sociology 100

## COURSES IN THE MAJOR

Chemistry 123, 204, 331, 332, 340, 421 and one other course

35

## OTHER REQUIREMENTS

Physics 223, 224; or Biology 101, 102

10

## COURSES IN THE MINOR

Biology, Physics or Mathematics

(requirements for minor are listed in each departmental offering)

30-20-25

ELECTIVES (to bring the total number of credit hours to at least

185 exclusive of Physical Education)

MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)	18
BASIC PHYSICAL EDUCATION REQUIREMENTS	6
MODERN LANGUAGE REQUIREMENTS	15
U.S. AND GEORGIA CONSTITUTION REQUIREMENT	
U.S. AND GEORGIA HISTORY REQUIREMENT	

## **MAJOR IN CHEMISTRY — SECONDARY EDUCATION**

### **CORE CURRICULUM REQUIREMENTS**

<b>AREA I — HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II — MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 119 or 120	5
Courses from English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Biology 101-102	10
Fine Arts 252 (if only one of the above is selected)	5	Chemistry 121-122 Physics 223-224-225 Any course listed above not taken in the ten-hour sequence or Math 245	
<b>AREA III — SOCIAL</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Chemistry 123, 204	10
History 100-200 level courses	5-15	Physics 223-224	0-10
Courses from the following: Anthropology 100; Psychology 101; Sociology 100		Biology 101, 102 Mathematics 120-247	0-10
<b>CHEMISTRY MAJOR</b>			
Chemistry 123, 204, 311, 331, 332, 340 or 421			30
<b>PROFESSIONAL EDUCATION SEQUENCE</b>			
Education 204, 305, 311c, 421c, 431c			
<b>OTHER REQUIREMENTS</b>			
P.E. 309, 390			6
Special Education 360			5
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			30
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			18
<b>BASIC PHYSICAL EDUCATION REQUIREMENT</b>			6
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

## **DUAL DEGREE PROGRAM — CHEMISTRY**

The Dual Degree Program offered by North Georgia College in cooperation with Georgia Tech offers a student the opportunity to attend a liberal arts college for three years before embarking on professional academic work at Georgia Tech for an additional two years.

After completing the academic requirements of both institutions, the student shall be awarded a bachelor's degree from North Georgia College and one of several designated bachelor's degree from the Georgia Institute of Technology.

## North Georgia College

Dual Degree candidates from North Georgia College who work toward a B.S. in Chemistry are eligible to seek any of the following degrees at Georgia Tech:

- Bachelor of Chemical Engineering
- Bachelor of Science in Textile Chemistry
- Bachelor of Science in Textiles

### DUAL DEGREE REQUIREMENTS:

1. Complete 140 quarter hours at North Georgia College as outlined below (exclusive of basic military and P.E.).
2. A recommendation from the Vice President for Academic Affairs of North Georgia College.
3. A college grade-point average and specified test results which would indicate that the student could satisfactorily complete the degree requirements at Georgia Tech.
4. Complete a Georgia Tech study program which equals the number of credit hours required of normal juniors and seniors enrolled in the standard curriculum for the degree being sought.
5. If the official study program at Georgia Tech includes electives and the candidate has excessive hours from North Georgia College, he may petition that these excess hours be used as transfer credit to Georgia Tech. Such transfer credit shall not amount to more than one half of the official study program at Georgia Tech.

### SPECIAL PROVISION FOR GRADUATE STUDY UNDER THE DUAL DEGREE AGREEMENT

1. The two colleges may extend permission for highly qualified, specially selected undergraduates to enter Georgia Tech at the end of three or more years of undergraduate study at North Georgia College with the intent that the degree being sought at Georgia Tech shall be at the masters level.
2. The specially selected individual shall complete enough undergraduate course work to meet the graduation requirements of North Georgia College.
3. The specially selected individual shall complete a minimum of 50 hours of graduate work at Georgia Tech.
4. Application for admission to the Graduate Division at Georgia Tech will be made during the first year in residence there with admission requirements being based on the usual recognized standards.

### CORE CURRICULUM REQUIREMENTS — DUAL DEGREE PROGRAM

AREA I — HUMANITIES	HOURS CREDIT	AREA II — MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101, 102	10	Mathematics 119, 120	10
English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Chemistry 121,122 Physics 223, 224	10
AREA III — SOCIAL SCIENCE	HOURS CREDIT	AREA IV — COURSES APPROPRIATE TO MAJOR FIELD	HOURS CREDIT
Political Science 101	5	Chemistry 123, 204	10
History 100, 101, 102, 103	5-15	Physics 223, 224, 225	0-15
Courses from Psychology 101, 205 Sociology 100; Anthropology 100; or Business Admin. 221, 222	0-10	Mathematics 245, 246, 247	0-15

**NOTE:** The 140 hours at North Georgia must include Physics 223, 224, 225, 230; Mathematics 245, 246, 247, 300; Chemistry 331, 332, 333, 204; and Military 300, 301, 302, or equivalent academic courses approved by the Vice President for Academic Affairs.

### MINOR IN CHEMISTRY

Chemistry 123, 204 or 311 and two other courses approved by the head of the Chemistry Department

20

## COURSES IN CHEMISTRY

**101. INTRODUCTION TO CHEMISTRY. 5 hours**  
 Four lectures and one laboratory per week. General principles of chemical bonding, reactions, and equilibria as required for a basic understanding of chemical applications. This course is designed for students having little or no background in Chemistry.

**102. INTRODUCTION TO CHEMISTRY. 5 hours**  
 Prerequisite: Chemistry 101 or its exemption. Four lectures and one laboratory per week. A study of chemical processes in (non-living) nature such as geochemical cycles, soil, and water.

**103. ORGANIC AND BIOCHEMISTRY SURVEY. 5 hours**  
 Prerequisite: Chemistry 101 or its exemption. Four lectures and two laboratory hours a week. Survey of Organic Functional groups and their reactions with applications to biochemical systems. The chemical basis for metabolism and body fluid interactions are discussed.

**121, 122. GENERAL CHEMISTRY. 5, 5 hours**  
 Admission to these courses will be by a standardized placement test and other scores. Normally these two courses would be taken by all science majors. These courses will emphasize theory and mathematical applications more than 101 and 102. Normally the student will have had 3 years of high school mathematics as well as high school chemistry. Four hours of lecture and one laboratory period each week.

**123. INTRODUCTION TO CHEMICAL ANALYSIS 5 hours**  
 Prerequisite: Chemistry 122. Three hours lecture and two laboratory periods per week. The laboratory work of this course will consist of qualitative analysis and a brief introduction to quantitative analysis.

**204. QUANTITATIVE ANALYSIS. 5 hours**  
 Prerequisite: Chemistry 123. The student will perform various volumetric titrations, and a gravimetric sulfate. Such instruments as the pH meter, colorimeter, and atomic absorption spectrometer will be studied with appropriate experiments performed. Three hours of lecture and two laboratory periods per week.

**230. ORGANIC CHEMISTRY. (Brief Course) 5 hours**  
 Prerequisite: Chemistry 123. A survey course in organic chemistry. Four lectures and one laboratory per week. This course should meet the requirements of the medical technology curriculum.

**311, 312.**

**BIOCHEMISTRY.**

**5, 5 hours**

Prerequisite: 230 or 332. These courses introduce carbohydrates, proteins and nucleic acids and their interrelationship. Intermediate metabolism will be discussed. Chemistry 311 - Five lectures per week. Chemistry 312 - Three lectures and two laboratories per week.

**331, 332, 333.**

**ORGANIC CHEMISTRY.**

**5, 5, 5 hours**

Prerequisite: Chemistry 123. These courses are designed to introduce the student to functional groups and their interconversion, the mechanism of chemical reaction, conformational analysis, and stereo-chemistry. The third quarter includes an introduction to carbohydrates and amino acids, kinetic methods and an introduction to problems of organic synthesis.

**CHEMISTRY 331.**

*Fall and Winter Quarters*

Four lectures and one laboratory period each week.

**CHEMISTRY 332, 333.**

*Winter, Spring Quarters.*

Three lectures and two laboratory periods per week.

**340.**

**PHYSICAL CHEMISTRY. (Brief Course)**

**5 hours**

This course is a non-calculus introduction to physical chemistry. Emphasis is placed on the application of physical chemical principles to the life sciences. Four lectures and one laboratory period per week.

**341, 342, 343.**

**PHYSICAL CHEMISTRY.**

**5, 5, 5 hours**

*Fall, Winter and Spring Quarters*

Prerequisites: Chemistry 204, three quarters of general physics, and two quarters of calculus are recommended. The course presents the fundamental principles of physical chemistry. Such topics as structure of atoms and molecules, states of matter, thermodynamics, chemical kinetics, and the phase rule are discussed. The laboratory work is integrated with the course work and some familiarity with recent physio-chemical techniques will be acquired. Four hours lecture and one laboratory period each week.

**421.**

**INORGANIC CHEMISTRY.**

**5 hours**

Prerequisite: Chemistry 340 or 341. An extension of the study of inorganic chemistry begun in general chemistry. The current theories of atomic structure and bonding in complex ions, crystal system, and some descriptive inorganic chemistry will be discussed. Four lectures and one laboratory period per week.

**430.**

**INTRODUCTION TO ORGANIC ANALYSIS.**

**5 hours**

The course will be devoted to qualitative organic analysis and will be an extension of the identification done as part of the laboratory work of the basic year course in organic chemistry. Instruments, such as the infrared spectrophotometer, the ultraviolet spectrophotometer, the gas chromatograph, and other tools will be used to accomplish the stated objectives. Three hours lecture and two laboratory periods per week.

441.

**INSTRUMENTAL ANALYSIS.****5 hours**

The lectures will consist of the discussion of various instrumental methods and applications. Analysis will be carried out using the atomic absorption., spectrophotometric, and colorimetric methods. Three lectures and two laboratory periods per week.

451 a, b, c.

**INTRODUCTION TO CHEMICAL RESEARCH.****2, 2, 2 hours**

This course is designed to prepare the student for employment as a research assistant upon the completion of the B.S. degree, or for the research work for an advanced degree. It will consist of one or two lectures or conference hours per week throughout the senior year (9 months) together with an indeterminate amount of unscheduled laboratory work. It is anticipated, however, that the laboratory work will not average less than five hours per week. The subject matter of the lectures will be the technique of research, use of technical reference literature, theory of errors, the analysis of experimental data, and report writing. The laboratory work of the first quarter will consist of exercises in glass-blowing and the construction of glass equipment. In the second and third quarters, the student will be assigned a minor research project on which he will prepare a report.

461 a, b, c.

**INDEPENDENT STUDY.****1, 1, 1 hour**

Topics in the history of Chemistry, a review of certain topics from previous courses, and directed library readings. The student will report his work by class talks and written reports.

471.

**MOLECULAR STRUCTURE AND SPECTROSCOPY.****5 hours**

This course will cover the use of various spectroscopic methods for examining molecular structure. The use of I.R., and UV will constitute the basis of laboratory work. Three lecture hours and two three-hour laboratory periods per week. This course is offered on demand.

**PHYSICAL SCIENCE**

115-116.

**UNDERSTANDING THE PHYSICAL WORLD.****5, 5 hours**

A nonquantitative two course sequence designed to promote an understanding of the physical world for the non-science major. Natural phenomena as well as the effects of man's technology on the physical environment will be brought into focus by means of numerous demonstrations, laboratory exercises, and field trips. Relevant topics will be selected from Astronomy, Chemistry, Environmental Science, Geology, and Physics. Credit will be extended for either course separately or for both as a two quarter laboratory sequence.

# **DEPARTMENT OF DEVELOPMENTAL STUDIES**

**V. Kay Colbert, Department Head**

## **IMPLEMENTATION OF BOARD OF REGENTS' POLICY FOR DEVELOPMENTAL STUDIES**

The Developmental Studies Program is a system-wide program which was implemented by the Board of Regents of the University System of Georgia, Fall Quarter, 1973. The basic aims of the program are:

1. To enable students who, for various reasons, are ineligible for admission to the regular college curriculum to develop their basic skills to the point at which they will be able to undertake college work.
2. To give regularly admitted students who are experiencing academic difficulty the opportunity to develop their basic skills in the college environment. Such students may resume their place in the regular curriculum without having been forced to drop out of college.

## **GENERAL ADMISSION REQUIREMENTS AND PROCEDURES**

Basic requirements include graduation from high school or an equivalent completion of the GED. Students whose college entrance tests and/or high school academic record will not allow for regular admission to the College may be admitted as Developmental Studies students. Prior to registration, students designated as Developmental Studies students are given a battery of tests to evaluate potential for regular college work. If a student achieves satisfactory scores on the placement tests, he may be recommended for unconditional admission. However, if a student does not achieve satisfactory scores, he is placed in Developmental Studies courses, and his status remains conditional until he has successfully completed the prescribed program.

Developmental Studies courses are also open to regularly admitted students. If a student feels he has had inadequate preparation in any of the subject areas offered by the Department of Developmental Studies, he may wish to take one or more of the courses prior to enrolling in 100-level courses.

## **GENERAL DESCRIPTION**

Students assigned to the program of Developmental Studies will pursue developmental programs of study in the areas of language arts and/or mathematics (as determined by test scores) and counseling. No college level credit will be earned by Developmental Studies activities, and a student may or may not be permitted to take credit courses while he is assigned to the Developmental Studies Program.

Developmental Studies students are evaluated at regular intervals by their academic instructors as to performance, attitude, motivation, and other relevant factors. A student may progress at his own speed through the program and may be permitted a maximum of four quarters to complete the program.

The program is administered by the Head of the Department of Developmental Studies, and the overall responsibility for testing, course assignment, and guidance rests with the Developmental Studies Department.

## **GRADING AND EXIT POLICIES**

Developmental Studies students must exit all of their required Developmental Studies courses in order to be transferred to the standing of a regular student.

A student must achieve a minimum of a "C" average and a satisfactory score on a standardized exit examination before he will be permitted to exit Developmental Studies 50 and 52. A grade of "C" is required for exit from Developmental Studies 49 and 51. Seven grading symbols are approved for use in the Department of Developmental Studies—namely, "A," "B," "C," "D," "F," "WF," and "IP." A grade of "IP" (In Progress) is assigned if a student has not achieved a minimum of a "C" average and/or has not achieved a satisfactory score on the exit examination. A grade of "IP" indicates a student will be retained in the course without penalty of grade assignment. If a student has not successfully completed a Developmental Studies course after the maximum number of quarters allowed, a grade of "D" or "F" is assigned.

Also, students who do not complete the Developmental Studies Program as described above in four quarters will be subject to Academic Suspension. Students who do not successfully complete the first level of study in either Language Arts (DVST 049) or Mathematics (DVST 051) in three quarters will be subject to Academic Suspension.

## **CLASS ATTENDANCE**

A student in the Developmental Studies program will not be allowed more than three (3) unexcused absences during any given quarter. An **excused** absence is one for which the student has an infirmary statement or a written request from college officials for absences due to sports, band, chorus, military, and drama participation. Excused absences shall also include "official leaves" provided appropriate documentation is presented. **All absences, when possible, should be cleared with individual instructors prior to missing class.** After three (3) **unexcused** absences, a student will be dropped from class.

## **COURSES IN DEVELOPMENTAL STUDIES**

**049.**

### **DEVELOPMENTAL LANGUAGE ARTS I.**

Required as a prerequisite to DVST 50 for those students whose placement tests indicate a need for greater remediation. This course offers instruction in reading and basic linguistic skills. Emphasis is on development of vocabulary and spelling skills, fundamentals of grammar, sentence structure, and paragraph writing skills.

Completion of this course with a "C" average will place the student in DVST 50.

**050.**

### **DEVELOPMENTAL LANGUAGE ARTS II.**

Required of those students whose performance on placement tests indicates the need for at least one quarter of remediation. This course offers instruction in reading and basic grammar skills with special emphasis on construction of effective sentences and paragraphs. Emphasis is also placed on fundamentals of essay writing.

Developmental Studies students must receive a "C" in this course and pass the Basic Skills Exam (BSE) to be eligible for enrollment in English 101.

**051.**

### **DEVELOPMENTAL MATHEMATICS I.**

Required as a prerequisite to DVST 52 for those students whose placement test scores indicate a need for greater remediation. This course offers instruction in topics from arithmetic, including whole numbers, fractions, decimals, ratios, proportions, and percents.

Completion of this course with a "C" average will place the student in DVST 52.

052.

**DEVELOPMENTAL MATHEMATICS II.**

Required of those students whose placement test scores indicate the need for at least one quarter of remediation. This course offers instruction in number systems, fundamental operations, factoring linear equations, graphs, exponents, radicals, quadratic equations, systems of equations, and inequalities.

Developmental Studies students must receive a "C" in this course and pass the Basic Skills Exam (BSE) to be eligible for enrollment in Math 101 or Math 119.

054.

**INTERMEDIATE ALGEBRA.**

A course is designed for those students who wish to improve their mathematics skills in preparation for the Pre-Calculus sequence. Emphasis will be placed on linear equations, systems of equations, polynomials and functions, quadratic equations, inequalities, sets, and trigonometry. Enrollment is primarily by referral.

075.

**SKILL DEVELOPMENT IN COMPOSITION AND READING.**

This course offers instruction in preparing for both reading and the essay portions of the Regents' Test. Individual weaknesses will be identified and specific reading and writing skills developed as means of increasing students' confidence in their ability to pass the test.

The class meets by independent study. Approved grading symbols are "S," and "IP." A grade of "IP" indicates that a student has not passed the Regents' Test and will be administratively enrolled in DVST 075 the following quarter.

311.

**ADVANCED READING (AVRD 311).**

A course is designed for those students who wish to improve their reading skills. Emphasis will be placed upon reading in the content areas, upon advanced comprehension skills—e.g., analysis, synthesis, judgment, recognizing and arranging sequence, identifying, interpreting, and evaluating.

# DEPARTMENT OF EDUCATION

## Christopher S. Sharp, Department Head

To be eligible to receive a four-year teacher's certificate (NT-4) in Georgia, one must complete a bachelor's degree program designed to meet the needs of teachers in a specific teaching field and be recommended by the college whose program has been completed. Each teacher-education program must have the approval of the State Department of Education. North Georgia College offers programs in:

Early Childhood Education

Elementary Education (Limited to students enrolled prior to Sept., 1978)

Middle Grades Education

Special Education

Physical Education

Art Education

Music Education

Secondary Education to include teaching fields in: Art; Biology, Business, Chemistry, English, Foreign Language-French, Mathematics, Music, Physical Education, Physics, Social Science—Political Science, Sociology, Multi-Discipline, History.

Course requirements for the early childhood, elementary, middle grades, and special education programs can be found in this section. Course descriptions for the programs in the teaching fields of secondary education are found in the area of the catalog devoted to that specific academic area.

## MASTER OF EDUCATION DEGREE

North Georgia College offers a number of programs in Education where the Master of Education degree is awarded. Information related to the Graduate Programs is found in the graduate catalog.

## TEACHER EDUCATION ADMISSION REQUIREMENTS

A student who desires teacher certification, whether enrolled in the Department of Education or other departments within the college, is required to apply for admission to the Teacher Education Program. Formal application for admission to the Teacher Education Program should be made during the quarter of enrollment in Education 204 (Introduction to Education). The student is urged to complete Education 204 by the end of the Sophomore year and before enrolling in other professional education courses. A transfer student who has completed Education 204 at another institution should apply for admission at the time that he becomes eligible. Application forms may be obtained from the secretary's office in the Department of Education.

A student must be admitted to the Teacher Education Program before he is allowed to enroll in any professional education courses beyond Education 305. Any deviation from the planned sequence requires prior Department of Education approval.

To be eligible for admission to one of the teacher education programs, a student must:

1. Complete Education 204, Introduction to Education, with a grade of C or better;
2. Complete 30 or more quarter hours of credit with a quality-point ratio of 2.25 or better;
3. If a transfer student, complete at least 15 hours of credit at North Georgia College before applying;

4. Possess physical and personal qualities appropriate for teaching;
5. Have a positive attitude toward teaching as a profession;
6. Have satisfactorily completed a selected attitude inventory.

## **SEPTEMBER FIELD EXPERIENCE**

All prospective student teachers are expected to participate in a two-week teaching experience prior to the beginning of the fall quarter of the junior or senior year. This experience may take place in a school of the student's choice. Arrangements for this experience are planned jointly by the Director of Student Teaching, the student, and the school involved. The prospective student teacher spends two weeks in a school in September as a volunteer, non-paid, staff assistant in exchange for the opportunity to observe the opening, organizing, and beginning of the school year. Service for one full year as a teacher's aid or as a teacher with a provisional certificate will substitute for the September experience. A written report should be submitted to the Director of Student Teaching immediately upon completion of this experience.

## **STUDENT TEACHING**

Student teaching is that part of the pre-service education program in which the prospective teacher spends full-time working in a cooperative school with a voluntary, supervising teacher. Student teaching takes place during an entire quarter of the senior year. No other class load is allowed during the student teaching quarter.

Students will have applied for and been admitted to the teacher education program and to the student teaching program prior to being placed in a cooperating school. At least two quarters prior to the quarter that a student wishes to be placed for student teaching, he or she must complete an application for student teaching which is available through the Department of Education. *Students expecting to student teach in the Spring quarter must apply not later than Fall quarter of the preceding year.*

## **Prerequisites For Student Teaching**

1. Completion of all professional education courses and courses appropriate to the teaching field. (Exceptions must be approved by the Coordinator of Student Teaching and the major advisor.)
2. Satisfactory completion of the September Field Experience or its equivalent.
3. Admission to the Teacher Education Program.
4. Classification of senior as determined by the Registrar's Office.
5. Achievement of a minimum grade point average of 2.50.
6. Verification in writing by Academic Advisor of student's readiness for student teaching.

## **OTHER REQUIREMENTS**

In compliance with Georgia law and regulations of the University System Board of Regents and the State Board of Education, North Georgia College requires that students preparing for teacher certification take:

1. Separate courses in Health and Physical Education (P.E. 420, 390, or 309);
2. A course in Special Education;
3. The State Teacher Certification Test (TCT) appropriate to their teaching field.

## RETENTION IN A TEACHER EDUCATION PROGRAM

One important aspect of the teacher education program is the constant vigilance exercised by the staff involved to insure that standards of quality are maintained.

The following standards must be maintained for continued retention in a program.

1. Compliance with rules and regulations prescribed for all students at North Georgia College.
2. Continuance of an acceptable history of mental, emotional, and physical health.
3. The final successful completion of all professional education courses with an academic grade of C or better. (These courses cannot be taken by correspondence or extension work.)
4. An academic grade of C or better in the student's main area of concentration.

## GUIDANCE OF TEACHER EDUCATION STUDENTS

The Head of the Department of Education has the responsibility of guiding students enrolled in teacher education programs throughout their course work. Guidance of students in the high school and grades 1-12 programs will be shared jointly between the Head of the Department of Education and the head of the student's main concentration area. The overall responsibility for the conduct of any teacher-education program rests with the Head of the Department of Education.

### MAJOR IN EARLY CHILDHOOD EDUCATION

#### CORE CURRICULUM REQUIREMENTS

AREA I — HUMANITIES	HOURS CREDIT	AREA II — MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101-102	10	Mathematics 101; or 113H	5
Courses from English 203, 204 205, 206, 207	5-10	Sciences: (one ten-hour sequence)	10
Fine Arts 252 (if only one of the above is selected)	0-5	Biology 101-102 Chemistry 101-102; or 121-122 Physical Science 115-116 Physics 101-102; or 223-224; or 223-225; or Astronomy 104-105 A 100-200 level five-hour course in Biology, Chemistry Mathematics or Physics. Both Physical and Biological sciences should be represented.	5
AREA III — SOCIAL SCIENCE	HOURS CREDIT	AREA IV — COURSES APPROPRIATE TO MAJOR FIELD	HOURS CREDIT
Political Science 101 100-200 level courses in History (others upon approval)	5 15	Speech 211 or 213 Fine Arts 252, Art 150, 151 or Music 205 Psychology 101 Education 204 Approved Elective Education 209 Approved Elective (Computers)	5 5 5 5 3 3

# North Georgia College

## EARLY CHILDHOOD EDUCATION MAJOR

Education 301 or Psychology 301; Education 305, 311f, 415, 419  
421f, 431f

45

### OTHER REQUIREMENTS:

Include at least one course from each area below. Courses marked with an asterisk (\*) must be included.

Art 331*	5
Physical Education 390*, 420* or 309	6-10
Language Arts 308, 420*, 421	5
Mathematics 310, 311	5
Music 306*	5
Science 460, Physics 460 or Education 460	5
Education 414* or Language Arts 309*	5-10
Special Education 360* Education 412	5-10

ELECTIVES (from courses previously listed and courses below to bring the total number of credit hours to at least 185 exclusive of Physical Education)  
Others upon approval

### MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)

18

### BASIC PHYSICAL EDUCATION REQUIREMENTS (must include personal fitness and swimming, plus four others)

6

### U.S. AND GEORGIA CONSTITUTION REQUIREMENT

### U.S. AND GEORGIA HISTORY REQUIREMENT

## MAJOR IN MIDDLE GRADES EDUCATION

### CORE CURRICULUM REQUIREMENTS

AREA I — HUMANITIES	HOURS CREDIT	AREA II — MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101-102	10	Mathematics 101; or 113H	5
Courses from English 203, 204 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Biology 101-102	10
Fine Arts 252 or Modern Language (if only one of the above is selected)	0-5	Chemistry 101-102; or 121-122 Physical Science 115-116; Physics 101-102; or 223-224; or 223-225; or Astronomy 104-105 A 100-200 level five-hour course in Biology, Chemistry, Mathematics or Physics. If sciences are selected both Physical and Biological sciences should be represented.	5

AREA III — SOCIAL SCIENCE	HOURS CREDIT	AREA IV — COURSES APPROPRIATE TO MAJOR FIELD	HOURS CREDIT
Political Science 101	5	Speech 211 or 213	5
100-200 level course in History (Others upon approval)	15	Fine Arts 252, Art 150, 151 or Music 205	5
		Education 204	5
		Psychology 101	5
		Social Studies 251	5
		Education 209	3
		Approved Elective (Computers)	3

**MIDDLE GRADES EDUCATION MAJOR**

Education 304, 305, 311g, 418, 421g, 431g, 440 or  
Sp. Ed. 458

45

**OTHER REQUIREMENTS:**

Education 323	5
LA 309; 420 or 430	10
Physical Education 390; 420 or 309	6-10
Special Education 360	5
Math 310 or 311	5
Science 460 or Physics 460 or Education 460	5

**COURSES IN THE MINOR**

40

In-depth preparation (20 hrs.) in each of two teaching areas applicable to the middle grade program, one of which must be in language arts (reading, English, spelling), mathematics, science, or social studies.

The remainder of the preparation must be devoted to components related to the middle grade program based upon the assessed needs of the prospective teacher. This second preparation may be in one of the four areas above or in Physical Education, Art, Career Education, or Music.

**ELECTIVES (from courses below to bring the total number of credit hours to at least 185 exclusive of Physical Education)**

Art 331  
Computer Science 120, 130, 220  
Education 416  
Mathematics 310 and/or 311  
Language Arts 308, 333, 421  
Music 306  
Other upon approval

18

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

6

**BASIC PHYSICAL EDUCATION REQUIREMENTS****U.S. AND GEORGIA CONSTITUTION REQUIREMENT****U.S. AND GEORGIA HISTORY REQUIREMENT****MAJOR IN SPECIAL EDUCATION****CORE CURRICULUM REQUIREMENTS****AREA I — HUMANITIES****HOURS CREDIT****AREA II — MATHEMATICS AND NATURAL SCIENCE****HOURS CREDIT**

English 101-102  
English 203, 204, 205, 206, 207  
Fine Arts 252 (if only  
one of the above  
is selected)

10  
5-10  
0-5

Mathematics 101  
Sciences: (one ten-hour sequence)

5  
10

Biology 101-102  
Chemistry 101-102  
Physics 101-102

A 100-200 level five-hour  
course in Biology, Chemistry  
Mathematics or Physics  
Physical and Biological sciences  
should be represented.

5

North Georgia College

<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	(30 hrs. required)	
100-200 level courses in History (Anthrop. 100, Psychology 205, Sociology 201 or Business Admin. 221, 222 may be substituted with permission of the advisor)	15	Speech 211	5
		Fine Arts 252	5
		Psychology 101	5
		Sociology 100	5
		Education 204	5
		Education 209	3
		Approved Elective (Computers)	3

**MAJOR AREA (required)**

Education 301 or Education 304	5
Education 305	5
Education 311c, f, or g	5
Education 421c, f, or g	5
Special Education 360	5
Special Education 370	5
Special Education 450	5
Special Education 470	5
Special Education 471	5
Special Education 458, 464, 472, 473 (choose 3)	15
Special Education 478	15

**OTHER REQUIREMENTS**

Courses marked with an asterisk must be included. Three additional courses from the remaining must be selected.

Education 323	5
Physics 460	5
Physical Education 390*	5
Physical Education 420* (P.E. 309-1 hr. may be substituted with the approval of the advisor)	5
Art 331	5
Language Arts 308, 309 or 420*	5
Mathematics 310 or 311	5
Music 306	5

**ELECTIVES (choose from courses listed below to bring the total number of credit hours to at least 185 exclusive of basic Military Science and basic Physical Education)**

Special Education 480, 490, 468, 474

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS (Must include personal fitness and swimming, plus four others)**

6

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S. AND GEORGIA HISTORY REQUIREMENT**

# COURSES IN EDUCATION

**201. SELECTED TOPICS FOR AUXILIARY PERSONNEL.**

5 hours

A survey of topics of special interest to auxiliary personnel who are preparing to work in public schools. Topics include reading, mathematics, media, child development, physical education, and writing. In addition to classroom instruction in the special topics, practical experience in public school classrooms is provided.

204.	<b>INTRODUCTION TO EDUCATION.</b>	<b>5 hours</b>
	The primary purpose of this course is to furnish guidance to prospective teachers. Teaching is a profession and will be carefully analyzed. Students will study and evaluate their own abilities and traits as attributes of the teacher's personality. An overview of the American public school system will be presented.	
209.	<b>EDUCATIONAL MEDIA.</b>	<b>3 hours</b>
	A course designed to provide students with experiences in developing and utilizing print and non-print forms of media for school classroom use. Strategies will be developed for incorporating media into classroom settings	
301.	<b>CHILD DEVELOPMENT.</b> <i>(See Psychology Courses.)</i>	<b>5 hours</b>
302.	<b>PSYCHOLOGY OF YOUTH.</b> <i>(See Psychology Courses.)</i>	<b>5 hours</b>
303.	<b>HUMAN GROWTH AND DEVELOPMENT.*</b> A study of the development of the human from the prenatal period through adolescence. Focuses on the role played by maturation and experience in the social, emotional, intellectual, moral, and physical development of the individual. Includes genetic and environmental influences on the development of the person. Educational practices considered in relation to their effect on the development of children. Treats the relationship of learning and learning theory on classroom teaching and planning. Observation and study of children in public school required two hours weekly.	<b>5 hours</b>
304.	<b>THE NATURE AND DEVELOPMENT OF THE MIDDLE GRADE LEARNER.*</b> This course focuses on the nature and diversity of the middle grade learner. Emphasis is placed on the physical, emotional, social and intellectual development of children from the end of early elementary into the early high school years.	<b>5 hours</b>
305.	<b>EDUCATIONAL PSYCHOLOGY.</b> Emphasis is placed on learning; its nature, motivation, retention, appraisal, transfer, and application. Adjustment of educational practices to individual differences in abilities and interests among pupils will be considered. Weekly laboratory experiences in teaching-learning situations will be held.	<b>5 hours</b>
311 a.	<b>ELEMENTARY SCHOOL CURRICULUM.*</b> In this course consideration will be given to problems in planning for and executing appropriate learning experiences for the children of elementary grades. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.	<b>5 hours</b>
311 b.	<b>CURRICULUM FOR JUNIOR HIGH GRADES.*</b> In this course consideration will be given to problems in planning for and executing appropriate learning experiences for the children of grades seven through nine. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.	<b>5 hours</b>

\*Prerequisite: Admittance to Teacher Education Program

**311 c. CURRICULUM FOR THE HIGH SCHOOL GRADES.\* 5 hours**  
This course is designed to give students an overall view of the curriculum of the high school. Objectives and content of the curriculum are discussed from the standpoint of teaching. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.

**311 d. ART EDUCATION CURRICULUM.\* 5 hours**  
In this course consideration is given to problems in planning for and executing art experiences from kindergarten through high school. Special consideration will be given to the role of the art supervisor in the total curriculum of the public school. Direct observation and teaching is required. Class, including laboratory, meets ten hours each week.

**311 e. MUSIC EDUCATION CURRICULUM.\* 5 hours**  
Current practices and problems in planning for and executing appropriate learning experiences in general music and performance oriented groups from kindergarten through high school will be studied. Field experience and observation is required. Class, including laboratory, meets ten hours each week.

**311 f. CURRICULUM FOR EARLY CHILDHOOD EDUCATION.\* 5 hours**  
Principles and practices for planning learning activities for pre-school and primary grades. Directed observation in selected schools is required. Class, including laboratory, meets for ten hours each week.

**311 g. CURRICULUM FOR MIDDLE GRADES.\* 5 hours**  
In this course, consideration will be given to problems in planning for and executing appropriate learning experiences for the children of grades four through eight. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.

**323. TEACHING OF SOCIAL STUDIES.\* 5 hours**  
An integrated social studies course for teachers in grades K-8. Topics considered include the family, occupations, labor unions, government functions and world cultures. Methods of teaching social studies will be emphasized.

**375. OUTDOOR EDUCATION FOR TEACHERS. 5 hours**  
A course designed to enrich the school curriculum through experiences in the outdoors. Particular emphasis will be given to school camping and to the conservation of soil, water, forests, and wildlife. The course requires extensive work in the field.

**403, 404, 405. PROBLEMS IN EDUCATIONAL PSYCHOLOGY. 2, 2, 2 hours  
(On Demand.)**  
Research done independently or in groups on problems pertinent to the field. Open to Senior departmental majors and in-service teachers.

**406, 407, 408. PROBLEMS IN CURRICULUM AND METHODS.\* 2, 2, 2 hours  
(On Demand.)**  
Research done independently or in groups on problems pertinent to the field. Open to Senior departmental majors and in-service teachers.

\*Prerequisite: Admittance to Teacher Education Program

412.	<b>THE YOUNG CHILD IN THE HOME AND COMMUNITY.*</b>	5 hours
	A study of the role of the home, community, and state in the education of the young child. Special emphasis is placed upon working with parents of young children in order to get maximum home reinforcement of the knowledge and skills taught by schools.	
414.	<b>COMMUNICATION ARTS IN EARLY CHILDHOOD.*</b>	5 hours
	This course includes language development, methods and materials, literature for young children and assessment of language skills. Also included are the areas of handwriting, listening skills, and spelling.	
415.	<b>CREATIVE ACTIVITIES.*</b>	5 hours
	A course designed to give students experiences in selecting and presenting art activities, stories, finger plays, music, rhythms, woodwork, science and nature experiments in early childhood education. Laboratory experiences in teaching-learning situations will be held.	
416.	<b>EDUCATIONAL MEASUREMENTS AND EVALUATION.*</b>	5 hours
	Prerequisites: Two courses in education or psychology or equivalent. Theory of and practice in construction, administration, and interpretation of other tests and other measuring devices for mental ability, special aptitudes, scholastic achievement and personality.	
418.	<b>PRINCIPLES OF GUIDANCE.*</b>	5 hours
	A survey of vocational and educational guidance service designed to give a fundamental understanding of the role of guidance in school programs.	
419.	<b>PRACTICUM IN THE NURSERY SCHOOL AND KINDERGARTEN.*</b>	5 hours
	(By permission of ECE Coordinator) Observation and participation in an early childhood program with scheduled seminar discussion groups. Class, including laboratory, meets for ten hours each week.	
421 a.	<b>MATERIALS AND METHODS IN THE ELEMENTARY SCHOOL.*</b>	5 hours
	Prerequisite: Education 419 or approval of instructor. Basic techniques involved in the effective guidance of the learning of children in the elementary school, as well as the various instructional materials adapted for use at this level, are studied. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.	
421 b.	<b>MATERIALS AND METHODS IN THE JUNIOR HIGH GRADES.*</b>	5 hours
	Basic techniques involved in the effective guidance of learners in grades seven through nine, as well as the various instructional materials adapted for use at this level, are studied. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.	
421 c.	<b>MATERIALS AND METHODS FOR HIGH SCHOOL GRADES.*</b>	5 hours
	Basic techniques involved in the effective guidance of learners in high school grades and in various instructional materials adapted for use at this level are studied. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.	

\*Prerequisite: Admittance to Teacher Education Program

421 d. **MATERIALS AND METHODS FOR ART EDUCATION.\*** 5 hours  
Basic techniques involved in effective methods of guiding and supervising art programs in the public school from kindergarten through high school. The use of various instructional materials appropriate for the various levels will also be studied. Directed observation and teaching is required. Class, including laboratory, meets ten hours each week.

421 e. **MATERIALS AND METHODS FOR MUSIC EDUCATION.\*** 5 hours  
Techniques and materials involved in the effective guidance of learners in kindergarten through high school are studied. Field experience and observation is required. Class, including laboratory, meets ten hours per week.

421 f. **MATERIALS AND METHODS IN EARLY CHILDHOOD EDUCATION.\*** 5 hours  
Prerequisite: 419. Materials and methods for teaching the basic techniques involved in the effective guidance of the learning of children in nursery schools, kindergartens, and early elementary grades; survey of current materials of instruction and directed observation of young children and teachers at work. Meets ten hours each week.

421 g. **MATERIALS AND METHODS IN THE MIDDLE GRADES.\*** 5 hours  
Basic techniques involved in the effective guidance of learners in grades four through eight, as well as the various instructional materials adapted for use at this level, are studied. Directed observation in selected schools is required. Class, including laboratory, meets ten hours each week.

431 a. **STUDENT TEACHING IN THE ELEMENTARY SCHOOL.\*** 15 hours  
Prerequisites: Scholastic standing of at least 2.5, completion of Language Arts 420, Education 311a, 421a, 204, 305 and 301 with a grade of at least C; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.

431 b. **STUDENT TEACHING IN THE JUNIOR HIGH GRADES.\*** 15 hours  
Prerequisites: Scholastic standing of at least 2.5, completion of Education 311b, 421b, 204, 305, 302 with grades of at least C in each; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.

431 c. **STUDENT TEACHING IN THE HIGH SCHOOL GRADES.\*\*** 15 hours  
Prerequisites: Scholastic standing of at least 2.5, completion of Education 311c, 421c, 204, 305 with grades of at least C in each; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.

431 d. **STUDENT TEACHING IN ART.\*\*** 15 hours  
Prerequisites: Scholastic standing of at least 2.5, completion of Education 311d, 421d, 204, 305 with a grade of at least C in each; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.

431 e. **STUDENT TEACHING IN MUSIC.\*\*** 15 hours  
Prerequisite: Scholastic standing of at least 2.5, completion of Education 311e, 421e, 204, 305 with a grade of at least C in each; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.

\*Prerequisite: Admittance to Teacher Education Program

431 f.	<b>STUDENT TEACHING IN EARLY CHILDHOOD.**</b>	15 hours
	Prerequisites: Scholastic standing of at least 2.5, completion of Education 301, 305, 311f, 419, 421f, Language Arts 420 with a grade of at least C; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.	
431 g.	<b>STUDENT TEACHING IN THE MIDDLE GRADES.*</b>	15 hours
	Prerequisites: Scholastic standing of at least 2.5, completion of Education 311g, 421g, 204, 305, 304 with grades of at least C in each; enrollee at North Georgia College for two quarters; written application approved two quarters in advance.	
440.	<b>CLASSROOM MANAGEMENT AND ORGANIZATION.*</b>	5 hours
	This course is designed to provide classroom teachers with knowledge and skills for managing the total instructional setting, including the individualization of instruction. Emphasis will be placed on grouping, teacher-student relationships, establishing the classroom environment and coping with class conflict.	
441.	<b>EDUCATIONAL MEDIA.*</b>	5 hours
	(On Demand.) The psychological principles underlying the use of audio-visual equipment and materials will be discussed. Some laboratory work will be included.	
454.	<b>FOUNDATIONS OF EDUCATION.*</b>	5 hours
	(On Demand.) A study of the historical, sociological, economic, psychological, and philosophical foundations of education. Teachers aids or in-service teachers may take this course in lieu of Education 204.	
460.	<b>TEACHING ELEMENTARY SCHOOL SCIENCE.*</b>	5 hours
	An overview of the recently developed methods and materials in the teaching of elementary school science. Emphasis is given to improving the conceptual level in science, to scientific inquiry and to teacher-pupil involvement in the processes of science.	

## COURSES IN SPECIAL EDUCATION

360.	<b>INTRODUCTION TO EXCEPTIONAL CHILDREN.</b>	5 hours
	A study of physical, social, mental and emotional differences as found in children. The characteristics, both physical and behavioral, as well as methods of diagnosis and remediation for the academically talented, the mentally retarded, blind, partially sighted, deaf or hard of hearing, specific learning disabilities, culturally disadvantaged and behavior disordered are reviewed.	
370.	<b>INTRODUCTION TO MENTAL RETARDATION.*</b>	5 hours
	A course designed to review the historical treatment, etiology and characteristics of the mentally retarded. Methods of diagnosing, placing and working with the retarded will be covered.	

\*Prerequisite: Admittance to Teacher Education Program.

\*\*Observation and participation in teaching is accomplished in the appropriate schools throughout the day during the quarter. Gradual induction into the situation will take place, leading to increased responsibility and finally to full time teaching. A student teacher making satisfactory progress will assume the complete teaching load for at least three weeks. Conferences will be held throughout the quarter with the college supervisor. Three seminars will be held on campus.

**450. EDUCATIONAL ASSESSMENT OF EXCEPTIONAL CHILDREN.\* 5 hours**  
A course designed to provide a background of formal and informal evaluative procedures for use with children who have various types of learning problems. The course includes individual tutoring and prescriptive teaching techniques.

**458. BEHAVIOR MANAGEMENT.\* 5 hours**  
A course emphasizing clinical management of life events; permitting, tolerating, interfering, environmental manipulation, and life-space interviewing. Focuses on disturbed children in specific settings.

**464. WORKING WITH PARENTS OF EXCEPTIONAL CHILDREN.\* 5 hours**  
A course designed to teach the techniques which an educator might use in communicating with parents of exceptional children. The means of interpreting handicapping conditions and school programs to parents in order to get maximum home reinforcement of the attitudes, skills and knowledge taught in school will be covered.

**468. EDUCATIONAL AND MEDICAL ASPECTS OF CRIPPLING AND SPECIAL HEALTH CONDITIONS.\* 5 hours**  
A study of physically disabling conditions which cause educational difficulties, orthopedic conditions, progressive deterioration conditions, low vitality conditions, central nervous system injury and multiple handicaps will be covered.

**469. PRACTICUM IN THE HOME/HOSPITAL.\* 5 hours**  
Prerequisites: Sp.Ed. 360, 468. Supervised practicum in programs for the home or hospital bound student.

**470. METHODS AND MATERIALS FOR TEACHING THE MENTALLY RETARDED.\* 5 hours**  
Prerequisites: Special Ed. 370 and 450. Methods and materials as they relate to the development of desirable attitudes, abilities and skills of the educable mentally retarded.

**471. CURRICULUM FOR SPECIAL EDUCATION PROGRAMS.\* 5 hours**  
Prerequisites: SpEd. 370 and Sp.Ed. 450. Curriculum development skills that will enable the special educator to match the individual student with the educational curriculum that best meets the students' needs.

**472. SPEECH AND LANGUAGE DEVELOPMENT FOR EXCEPTIONAL CHILDREN.\* 5 hours**  
This course covers the current understanding of speech and language development for exceptional children. A study of methods, materials, and experiences.

**473. VOCATIONAL TRAINING AND CAREER EDUCATION FOR THE EXCEPTIONAL CHILD.\* 5 hours**  
A course emphasizing the educator's role in vocational experiences in the school and out of the school setting. Job placement, working with other disciplines and agencies in the community and supervision in job training situations will be covered.

\*Prerequisite: Admittance to Teacher Education Program

474.	<b>METHODS AND MATERIALS FOR TEACHING SEVERELY MENTALLY RETARDED.*</b>	<b>5 hours</b>
	A course covering diagnostic criteria and the development of teaching materials and relationships with community organizations interested in developing a public school, private school, community center or institutional program for severely mentally retarded children.	
478.	<b>STUDENT TEACHING WITH THE MENTALLY RETARDED.*</b>	<b>15 hours</b>
	Prerequisites: Special Ed. 360, 370, 450, 470	
480.	<b>INTRODUCTION TO THE EDUCATION OF CHILDREN WITH EMOTIONAL PROBLEMS.*</b>	<b>5 hours</b>
	A course designed to discuss behavioral characteristics of children with emotional problems in terms of etiology, identification, behavior management and curricular planning. (Elective for B.S. in Sp.Ed. with major in MR; the beginning course sequence on Emotionally Disturbed)	
481.	<b>METHODS AND MATERIALS FOR TEACHING CHILDREN WITH BEHAVIORAL/EMOTIONAL DISORDERS.*</b>	<b>5 hours</b>
	Prerequisites: Sp. Ed. 480. A review of major approaches in the education of behavioral and emotionally disordered children. Understanding and planning adaptations in the educational programs for disturbed children. Appropriate plans and materials are identified for use with disordered children.	
485.	<b>CHARACTERISTICS OF THE GIFTED.*</b>	<b>5 hours</b>
	A course covering the identification and characteristics of gifted and talented students from pre-school through high school. Consideration is given to the exploration of alternatives for recognizing gifted and talented children who are culturally different and/or underachieving. Alternative service models and the major instruments used for identifying gifted and talented will be studied.	
486.	<b>PROGRAM DEVELOPMENT AND CURRICULUM PLANNING FOR THE GIFTED.*</b>	<b>5 hours</b>
	Prerequisites: Sp. Ed. 485. Methods and materials as they relate to fostering creativity, developing interests and channeling abilities of the gifted and talented students from pre-school through high school. The course will explore ways of organizing and promoting programs within the public school setting.	
487.	<b>PRACTICUM WITH THE GIFTED.*</b>	<b>5 hours</b>
	Prerequisites: Sp. Ed. 485/685; 486/686. Supervised practicum in programs for the gifted.	
490.	<b>INTRODUCTION TO THE EDUCATION OF CHILDREN WITH LEARNING DISABILITIES.*</b>	<b>5 hours</b>
	A course giving an overview of the field of learning disabilities as concerned with referral diagnosis, management and educational practices. (Elective for B.S. in Sp. Ed. with major in MR; the beginning course in sequence on Learning Disabilities)	

\*Prerequisite: Admittance to Teacher Education Program

**SPECIALIZED COURSES FOR ELEMENTARY  
AND JUNIOR HIGH GRADE TEACHERS.**

**ART**

331.	<b>ELEMENTARY ART.</b> (See courses in Fine Arts.)	5 hours
332.	<b>SECONDARY SCHOOL ART.</b> (See courses in Fine Arts.)	5 hours

**HEALTH AND PHYSICAL EDUCATION**

309.	<b>LIFE AND ACTIVITY.</b> (See courses in Physical Education.)	1 hour
390.	<b>HEALTH EDUCATION.</b> (See courses in Physical Education.)	5 hours
420.	<b>ELEMENTARY AND SECONDARY SCHOOL PHYSICAL EDUCATION.</b> (See courses in Physical Education.)	5 hours

**LANGUAGE ARTS**

308.	<b>CHILDREN'S LITERATURE.</b> The reading and evaluation of books for children. Discussed in the course are sources of information about children's books, children's interest in reading, the work of important authors and illustrators, the problems in the guidance of reading, and the organization of recreational reading programs.	5 hours
309.	<b>LANGUAGE ARTS FOR THE ELEMENTARY GRADES.*</b> This course provides a thorough knowledge of the language arts and a familiarity with methods, materials, and activities for the teaching of reading, handwriting, spelling, and oral and written expression in the elementary school.	5 hours
333.	<b>JUVENILE LITERATURE.*</b> Reading and study of the various types of literature for young people, as well as a study of the appropriate reading programs for junior high school pupils, are included in this course.	5 hours
420.	<b>THE TEACHING OF READING.*</b> An intensive study of reading skills in the areas of readiness, vocabulary development, phonics, word recognition, and comprehension. Students will become familiar with the most popular approaches used to teach reading and the organizational skills needed to implement these approaches.	5 hours

\*Prerequisite: Admittance to Teacher Education Program

**421. THE ANALYSIS AND CORRECTION OF READING DISABILITIES.\*** 5 hours  
 Prerequisites: LA 420. Students will explore the causes of reading problems and the procedures and materials for assessment and correction in the classroom. A minimum of ten hours will be devoted to assessing and teaching a child in reading.

**430. TEACHING READING IN THE MIDDLE, JUNIOR HIGH AND SECONDARY SCHOOLS: A BASIC SURVEY COURSE IN READING.\*** 5 hours  
 Study of objectives and methods for teaching comprehension, vocabulary, study skills and critical reading in the content areas. Attention is focused on remedial and enrichment techniques for secondary students, refinement of teaching strategies to improve content area instruction and to create appreciation of and interest in reading.

**MATHEMATICS**

**310. INTRODUCTION TO MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH TEACHERS I.** 5 hours  
 (See courses in Mathematics.)

**311. INTRODUCTION TO MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH TEACHERS II.** 5 hours  
 (See courses in Mathematics.)

**MUSIC**

**205. MUSIC HISTORY AND APPRECIATION.** 5 hours  
 (See courses in Fine Arts.)

**252. FINE ARTS.** 5 hours  
 (See courses in Fine Arts.)

**306. MUSIC FOR THE ELEMENTARY GRADES.** 5 hours  
 (See courses in Fine Arts.)

**SCIENCE**

**Ed. 460. TEACHING ELEMENTARY SCHOOL SCIENCE** 5 hours  
 (See course in Education listing).

**SOCIAL STUDIES**

**251. WORLD HUMAN GEOGRAPHY.** 5 hours  
 World conditions will be studied with reference to the adaptations made to them by man. The influence of geographical factors on modes of living, types of occupations, social organization and government will be given emphasis.

\*Prerequisite: Admittance to Teacher Education Program



<b>OTHER REQUIREMENTS</b>		
Physical Education 390 and 309		6
Special Education 360 or 490		5
Language Arts 430 or 420		5
<b>ELECTIVES (to bring total number of credit hours to at least 185 exclusive of Basic Military Science and Physical Education)</b>		
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>		18
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>		6
<b>MODERN LANGUAGE REQUIREMENTS</b>		20
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>		
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>		

### **MAJOR IN ENGLISH—PRE-LAW CONCENTRATION**

#### **COURSES IN THE MAJOR**

A total of nine English courses in addition to those taken in Area I of Core Curriculum, including at least 35 hours from 300-400 courses. Recommended courses to be included are English 250, 307, 350, and 401, plus 304, 306, and selected studies such as the law in literature.

### **MINOR IN ENGLISH**

#### Courses from the following:

English 203, 204, 205, 206, 207, in Area I of the Core Curriculum	10
English courses at the 300-400 level	20

### **MINOR IN ENGLISH—PRE-LAW CONCENTRATION**

#### Courses from the following:

English 203, 204, 205, 206, 207, in Area I of the Core Curriculum	10
English 250, 307, 350, and 401	20

## **COURSES IN ENGLISH**

<b>101.</b>	<b>GRAMMAR AND COMPOSITION.</b>	<b>5 hours</b>
The study of basic English grammar with emphasis on intensive composition.		
<b>102.</b>	<b>COMPOSITION.</b>	<b>5 hours</b>
Prerequisite: English 101. Emphasis on extensive composition based on the literary genres.		
<b>203, 204.</b>	<b>A SURVEY OF ENGLISH LITERATURE.</b>	<b>5, 5 hours</b>
Prerequisite: English 102. A chronological study of the works of major British writers from the beginning to the present.		
<b>205, 206.</b>	<b>A SURVEY OF WORLD LITERATURE.</b>	<b>5, 5 hours</b>
Prerequisite: English 102. A survey of World Literature from Homer to the present, with attention to artistic form and currents of thought related to Western Culture.		

207.	<b>CONTEMPORARY AMERICAN LITERATURE.</b>	5 hours
	Prerequisite: English 102. A study of selected works of American literature of the twentieth century.	
250.	<b>INTRODUCTION TO TECHNICAL AND PROFESSIONAL WRITING.</b>	5 hours
	Prerequisites: English 101 and 102. An introduction to the principles and practices of technical and professional writing, with individual projects relating to the student's field of study.	
301.	<b>FOLKLORE OF THE AMERICAN PEOPLE.</b>	5 hours
	An introduction to the various genera of folk material and the techniques of its recognition and study. Special attention given to the folklore of the southern Appalachian region.	
302.	<b>AMERICAN LITERATURE TO 1860.</b>	5 hours
303.	<b>AMERICAN LITERATURE FROM 1860 TO THE PRESENT.</b>	5 hours
304.	<b>SOUTHERN LITERATURE.</b>	5 hours
	The literature of the South, including a brief background study of the literary trends from the Civil War to the Southern Renaissance and concentrating on writers of the twentieth century.	
306.	<b>SHAKESPEARE.</b>	5 hours
	A study of selected comedies, chronicles, and tragedies, with emphasis on the tragedies.	
307.	<b>ADVANCED ENGLISH GRAMMAR.</b>	5 hours
309.	<b>THE NOVEL.</b>	5 hours
	Studies in the development of prose fiction from the Eighteenth Century to the present.	
315.	<b>MODERN DRAMA.</b>	5 hours
	A study of the work of modern dramatists, beginning with Ibsen.	
350.	<b>ADVANCED COMPOSITION.</b>	5 hours
401.	<b>HISTORY OF THE ENGLISH LANGUAGE.</b>	5 hours
	A study of the background, origins, and development of the English language, with emphasis on phonological and morphological aspects.	
420.	<b>SELECTED STUDIES.</b>	1-5 hours
	Prerequisite: Permission of the Department. Reading, investigating, and writing in the classroom or under informal direction of the faculty on selected topics or areas not covered in other catalog listings. This course may be repeated for credit.	
440.	<b>CHAUCER.</b>	5 hours
	Emphasis on <i>The Canterbury Tales</i> .	
460.	<b>ENGLISH RENAISSANCE.</b>	5 hours
	A survey of non-dramatic English literature from 1500 to the Restoration.	

470.	<b>MILTON.</b> A study of Milton in the context of his classical background and late Renaissance environment. Major emphasis on the poetry.	<b>5 hours</b>
480.	<b>ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY.</b>	<b>5 hours</b>
490.	<b>ENGLISH LITERATURE OF NINETEENTH CENTURY ROMANTICISM.</b> Emphasis on the major poets.	<b>5 hours</b>
495.	<b>ENGLISH LITERATURE OF THE VICTORIAN ERA.</b> Emphasis on the major poets.	<b>5 hours</b>

# FINE ARTS DEPARTMENT

**Robert L. Owens, Department Head**

The Fine Arts Department includes courses of study in the areas of Visual Arts, Music, Speech and Theatre. A Bachelor of Arts degree is offered with a major in Art and a major in Craft Design. A Bachelor of Science degree is offered in Art Education, Music Education and Craft-Marketing. Any student may minor in Fine Arts with an emphasis in either Art, Music, or Speech and Theatre.

## **Ensemble, Recital and Portfolio Requirements:**

All music education majors are required to participate in a performing organization each quarter with the exception of the quarter in which student teaching is done. All music education majors are required to attend recitals and concerts. Such participation is considered a vital part of the student's music education.

All art students will be required to submit a portfolio of art work to the art faculty for the purpose of review and counseling during the junior year. Transfer students will be admitted to the art program and transfer credits accepted into the program after one quarter resident work and a portfolio review,

## **Exit Requirements:**

Art Education and Music Education majors must take the National Teachers Examination. Music students must meet Applied Music Jury Requirements before graduation. All Visual Arts students are required to display a Senior Exhibit of their work within the final year of their residency.

## **North Georgia College Visual Arts Collection:**

A permanent collection of original art work by art students of North Georgia College is being acquired. The Fine Arts Department maintains the right to retain an example of studio work to be placed in this collection.

## **North Georgia College Music Scholarships:**

The C. J. Dismukes Scholarship Fund and the Alva N. Pendergrass Fund award a limited number of music scholarships each year. These are awarded on the basis of merit. Further information may be obtained by writing the Coordinator of Music, North Georgia College, Dahlonega, Georgia 30597.

**BACHELOR OF ARTS****MAJOR IN ART****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 102, 113H, 120	5
Courses from English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence)	10
Choice of the following if only one of the above is selected: Fine Arts 252, Music 205 or any appropriate course in the Modern Languages.	5	Biology 101-102-103 (any two) Chemistry 101-102; or 121-122 Physical Science 115, 116. Physics 101-102; or 223-224; or 223-225 A 100-200 level five-hour course in Biology, Chemistry, Mathematics or Physics.	5
<b>ART III—SOCIAL SCIENCE</b>	<b>HOUR CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Art 101, 102, 103, 105	20
100-200 level History courses	5-15	Language (See page 56)	10
Courses selected from the following:	1-10		
Anthropology 100			
Psychology 101, 205			
Sociology 100			
Business Administration 221, 222			
<b>ART MAJOR</b>			
Courses from the following:			
Art 104, 106, 107, 108 (any two)			10
Visual Arts Survey 150, 151, 152			15
Art History 350, 351, 450, 451			5
Intermediate Studio on 300-400 level			30
Studio Concentration on 400 level			20
Art 490			1
<b>COURSES IN THE MINOR</b>			
Under the direction of the Head of the Fine Arts Department, the student will select a closely related departmental minor.			
<b>OTHER REQUIREMENTS</b>			
Music, Theatre, Speech			5
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
MILITARY SCIENCE REQUIREMENT (FOR MILITARY STUDENTS)			18
BASIC PHYSICAL EDUCATION REQUIREMENTS			6
U.S. AND GEORGIA CONSTITUTION REQUIREMENT			
U.S. AND GEORGIA HISTORY REQUIREMENT			

**BACHELOR OF SCIENCE**  
**MAJOR IN ART EDUCATION**

**CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 102, 113H, 120	5
Courses from English 203, 204 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Biology 101-102 or 101-103 Chemistry 101-102; or 121-122 Physical Science 115-116 Physics 101-102; or 223-224; or 223-225	10
Choice of the following if only one of the above is selected: Fine Arts 252, Music 205 or any appropriate course in the Modern Languages	5	A 100-200 level five-hour course in Biology, Chemistry, Mathematics or Physics.	5
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Art 101, 102, 103, 105	20
100-200 level History courses	5-15	Music, 205, Speech 211, 213	
Courses selected from the following:	0-10	or Theatre 120	5
Anthropology 100		Education 204	5
Psychology 101, 205			
Sociology 100			
Business Admin. 221, 222			
<b>ART EDUCATION MAJOR</b>			
Courses from the following:			
Art 104, 105, 106, 107 108 (any two)			10
Visual Art Survey 150, 151, 152			15
Art History 350, 351, 450, 451			5
Art Studio on Junior or Senior level			30
Art Education 331, 332			10
Art 490			1
<b>COURSES REQUIRED FOR PROFESSIONAL EDUCATION CERTIFICATION*</b>			
Education 305			5
Physical Education 390, 420			10
Special Education 360			5
Education 311-d, 421-d, 431-d			25
<b>OTHER REQUIREMENTS</b>			
Basic Physical Education			6
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
<b>NATIONAL TEACHER'S EXAMINATION</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

\*All bachelors degree programs in teacher education leading to state certification are also subject to degree requirements listed in the Department of Education section of this catalog.

**BACHELOR OF SCIENCE****MAJOR IN CRAFT MARKETING****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 102	10
Courses from English 203, 204 205, 206, 207	5-10	Sciences: (one ten-hour sequence)	10
Choice of the following if only one of the above is selected: Fine Arts 252, Music 205 or any appropriate course in the Modern Languages	5	Biology 101-102 Chemistry 101-102; or 121-122 Physics 101-102; or 223-224; 223-225	
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Art 101, 107, 108	15
100-200 level courses in History	10	BA 221, 231 and 232	15
Courses from Business Admin. 221 Psychology 101, 205, or Sociology 100, Anthropology 100	5 0-10		
<b>CRAFT MARKETING MAJOR</b>			
Courses from the following:			
Art 104, 106, 107, 108 (any two)			10
Art History 150, 151, 152			5
Visual Arts Survey, 150, 151, 152			15
Intermediate Studio on 300-400 level			30
Studio Concentration on 400 level			20
Art 490			1
Business Courses from the following:			
BA 232			5
BA 371, 372, 361			15
BA 466 or 392			5
<b>OTHER REQUIREMENTS</b>			
Fine Arts 485			5
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

**BACHELOR OF SCIENCE DEGREE****MAJOR IN MUSIC EDUCATION****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 113H	5
Courses from English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence)	10
Choice of the following if only one of the above is selected: Fine Arts 252, Music 205, Art 150, Art 151, Art 152, or any appropriate course in the Modern Languages	5	Biology 101-102 Chemistry 101-102; or 121-122 Physics 101-102; or 223-224; or 223-225 A 100-200 level five-hour course in Biology, Chemistry, Mathematics or Physics	5
<b>AREA III—SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Courses from Music 100, 101, 102, 103	10
100-200 level History courses	5-15	Courses from Music 200, 201 202, 203	10
Courses selected from the following:	0-10	Music 133, 134, 135, 233, 234, 235	12
Anthropology 100			
Psychology 101, 205			
Sociology 100			
Business Admin. 221, 222			
<b>MUSIC EDUCATION MAJOR</b>			
Music 130, 131, 132 (Applied Principle)			6
Music 230, 231, 232 (Applied Secondary)			6
Music 221, 222, 223 (Band Instruments)			6
Music 310, 417 (Music Education)			10
Music 321, 322, 323 (Conducting)			4
Music 333, 334, 335 (Applied Principle)			6
Music 356, 357 (Music History)			10
Music 190, 191, 195, 196, 197 (Ensemble)			11
<b>COURSES REQUIRED FOR PROFESSIONAL EDUCATION CERTIFICATION*</b>			
Education 204, 305			10
Physical Education 390, 420			10
Special Education 360			5
Education 311-e, 421-e, 431-e			25
<b>OTHER REQUIREMENTS</b>			
Art, Speech or Theatre			5
Basic Physical Education			6
<b>ELECTIVES (To bring total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
<b>NATIONAL TEACHER'S EXAMINATION</b>			
<b>RECITAL AND ENSEMBLE REQUIREMENTS</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

\*All bachelor degree programs in teacher education leading to the state certification are also subject to degree requirements listed in the Department of Education section of this catalog.

## MINOR IN FINE ARTS

A minor in Fine Arts will require 25 hours with a concentration in either Art, Music, or Theatre. A program of study will need the approval of the Head of the Fine Arts Department.

**Emphasis in Art:**

Applied Art Courses	5-15
Art History	5-15
Music or Speech and Theatre	5

**Emphasis in Speech and Theatre:**

Speech and Theatre	15
Applied Theatre	5
Art or Music	5

**Emphasis in Music:**

Applied Music	6
Fundamentals and Theory	6
Ensemble	3
Music History	5
Art or Speech and Theatre	5

## COURSES IN FINE ARTS

<b>252.</b>	<b>FINE ARTS.</b>	<b>5 hours</b>
Basic Principles of the Visual Arts and Music are exemplified in selected works from each of the disciplines.		
<b>485.</b>	<b>GEORGIA INTERN PROGRAM IN FINE ARTS.</b>	<b>5-15 hours</b>

### COURSES IN ART

All 5 hour Studio Courses will meet two (2) periods per day, five (5) days per week.

<b>101.</b>	<b>BASIC DRAWING I.</b>	<b>5 hours</b>
Fundamentals of drawing from still life objects and the study of perspective.		
<b>102.</b>	<b>BASIC DRAWING II.</b>	<b>5 hours</b>
Fundamentals of drawing from the live model.		
<b>103.</b>	<b>BASIC 3-D DESIGN I.</b>	<b>5 hours</b>
Introduction to sculpture and the problems of spacial form with materials such as wood, clay, plaster and metal.		
<b>104.</b>	<b>BASIC 2-D DESIGN II.</b>	<b>5 hours</b>
Introduction to the theories of the basic fundamentals of art; line, space, shape, color, value, texture, and form along with the principles of design and organization of a two dimensional surface.		
<b>105.</b>	<b>BASIC COLOR DESIGN III.</b>	<b>5 hours</b>
Introductory theories of color use in pigment, dyes, and light.		
<b>106.</b>	<b>BASIC PAINTING MEDIA ANALYSIS.</b>	<b>5 hours</b>
Introduction to painting problems using a variety of techniques and painting media.		

107.	<b>BASIC CRAFT MEDIA ANALYSIS.</b> Introduction to a variety of craft techniques and design problems.	5 hours
108.	<b>BASIC PHOTOGRAPHIC DESIGN.</b> Introduction to design concepts through simple photographic techniques.	5 hours
150.	<b>VISUAL ARTS SURVEY I.</b> The history of art from the prehistoric to the Renaissance.	5 hours
151.	<b>VISUAL ARTS SURVEY II.</b> The history of painting, sculpture and architecture of Europe and the New World from the thirteenth century to the late nineteenth century including Renaissance, Baroque, Neo-Classical and Romantic periods.	5 hours
152.	<b>VISUAL ARTS SURVEY III.</b> The history of Art during the twentieth century including styles such as Impressionism, Cubism, Symbolism, Surrealism, Abstract Expressionism and Pop Art.	5 hours
310.	<b>DRAWING.</b> Prerequisites: Art 101 and 102. Draftsmanship development and individual interpretation of ideas are emphasized.	5 hours
315.	<b>WATER COLOR PAINTING.</b> Water color techniques and criticism.	5 hours
316.	<b>ACRYLIC PAINTING.</b> Acrylic painting techniques and criticism.	5 hours
317.	<b>OIL PAINTING.</b> Oil painting techniques and criticism.	5 hours
320.	<b>SCULPTURE.</b> Organization of ideas and technical problems in sculpture.	5 hours
331.	<b>ELEMENTARY SCHOOL ART.</b> Through lecture, slides, films, and filmstrips, the developmental stages of Children's art, media and techniques appropriate for pre-school and elementary grade levels, and planning for art lessons are introduced. Studio activities involve the student in experimentation with art materials, design concepts, and projects for art teaching at the elementary level.	5 hours
332.	<b>SECONDARY SCHOOL ART.</b> Art teaching concepts directed toward the adolescent and adult age levels. Studio activities will involve experimentation with art materials, teaching techniques, and art education philosophy that can be applied to a secondary school and/or adult art program.	5 hours
340.	<b>GRAPHICS.</b> Organization of ideas and technical problems in printmaking.	5 hours
345.	<b>LETTERING.</b> Communication problems of calligraphy and letter design.	5 hours

<b>350.</b>	<b>CONTEMPORARY ART HISTORY.</b> Contemporary art and its development.	<b>5 hours</b>
<b>351.</b>	<b>AMERICAN ART HISTORY.</b> The development of painting, sculpture, architecture, and crafts in the United States.	<b>5 hours</b>
<b>360.</b>	<b>TEXTILE DESIGN.</b> Organization of design concepts and techniques involved with the surface enrichment of fabrics.	<b>5 hours</b>
<b>365.</b>	<b>WEAVING.</b> Organization of ideas and technical problems involved with the construction of fabrics.	<b>5 hours</b>
<b>370.</b>	<b>POTTERY.</b> An introduction to the ceramic process of forming clay, glazing and firing. Studio design problems will involve hand building techniques or an introduction to skills required for making pottery on the potter's wheel.	<b>5 hours</b>
<b>380.</b>	<b>PHOTOGRAPHY.</b> Organization of ideas and technical problems of the photographic process.	<b>5 hours</b>
<b>410, 411, 412, 413, 414.</b>	<b>DRAWING.</b> A sequence of directed studies in drawing.	<b>5 hours</b>
<b>415, 416, 417, 418, 419.</b>	<b>PAINTING.</b> A sequence of directed studies in painting.	<b>5 hours</b>
<b>420, 421, 422, 423, 424.</b>	<b>SCULPTURE.</b> A sequence of directed studies in sculpture.	<b>5 hours</b>
<b>430.</b>	<b>PROBLEMS IN TEACHING ART.</b> Supervised teaching of art with program planning emphasized. Designed for classroom teachers and/or students working with children in afternoon art classes, recreation programs in art, etc.	<b>1 hour</b>
<b>440, 441, 442, 433, 444.</b>	<b>GRAPHICS.</b> A sequence of directed studies in printmaking.	<b>5 hours</b>
<b>450.</b>	<b>NON-WESTERN ART HISTORY.</b> An analysis of art monuments of Non-Western cultures.	<b>5 hours</b>
<b>451.</b>	<b>RENAISSANCE ART HISTORY.</b> An analysis of art monuments of the Renaissance.	<b>5 hours</b>
<b>460, 461, 462, 463, 464.</b>	<b>TEXTILE DESIGN.</b> A sequence of directed studies in surface design on fabrics.	<b>5 hours</b>
<b>465, 466, 467, 468, 469.</b>	<b>WEAVING.</b> A series of directed intermediate and advanced studies in weaving theory, spinning, and dyeing.	<b>5 hours</b>

<b>470, 471, 472, 473, 474. POTTERY.</b>	<b>5 hours</b>
A sequence of directed studies of advanced ceramic techniques will be studied which will include the following: production techniques as well as forms of individual expression, clay and glaze formulating, various methods of kiln firing and kiln construction.	
<b>480, 481, 482, 483. PHOTOGRAPHY.</b>	<b>5 hours</b>
A sequence of directed studies in photographic design and film design.	
<b>490. SEMINAR AND EXHIBITION.</b>	<b>1 hour</b>
A major part of Art 490 is the art exhibit, called the Senior Show, which Senior Art majors present during the last year of residency at North Georgia College. Portfolio development (work and slides), workshop and field trip participation, and critique attendance are required as well.	
<b>491. PROBLEMS IN ART.</b>	<b>5 hours</b>
Offered to seniors who wish to do special directed studies in art of an advanced nature. Permission from the Head of the Fine Arts Department is required.	
<b>COURSES IN MUSIC</b>	
<b>100. THEORY: ELEMENTARY.</b>	<b>3 hours</b>
An introduction to the rudimental aspects of musical understanding; terminology; motivation; concepts of scale, tonality, rhythm, and harmony.	
<b>101. THEORY: ELEMENTARY.</b>	<b>3 hours</b>
An introduction to harmony through part-writing of triads, sight-singing and dictation are included.	
<b>102. THEORY: ELEMENTARY.</b>	<b>3 hours.</b>
Continuation of 101. Triads in inversion and dominant seventh chords are treated through part-writing. Sight-singing and dictation are included.	
<b>103. KEYBOARD HARMONY.</b>	<b>1 hour</b>
Prerequisite: Music 101. Simple harmony realized on the piano.	
<b>117. CLASS VOICE.</b>	<b>1 hour</b>
Voice production and diction are studied through the use of unison and solo song material.	
<b>118. CLASS PIANO.</b>	<b>1 hour</b>
Piano for non-music majors who have had little or no previous instruction. Emphasis will be on music reading, rhythmic skill and basic keyboard technique.	
<b>119. CLASS PIANO.</b>	<b>1 hour</b>
Intermediate piano with emphasis on repertoire and ensemble playing. A continuation of 118 or consent of instructor.	

**120.** **CLASS PIANO.** **1 hour**  
 Advanced class piano with greater emphasis on repertoire and ensemble playing. A continuation of Music 119 or consent of instructor.

**\*130, 131, 132. APPLIED MUSIC SERIES.** **1 hour**  
 Private instruction on the instruments listed below. A code letter for each instrument will follow the first three digits according to the instrument.

**\*133, 134, 135. APPLIED MUSIC SERIES.** **2 hours**  
 Private instruction on the instruments listed below. A code letter for each instrument will follow the first three digits according to the instrument.

A—Clarinet	H—Strings	S—Trombone
C—Baritone	I—French Horn	W—Trumpet
D—Oboe	M—Percussion	W—Tuba
E—Bassoon	O—Piano	Y—Voice
G—Flute	Q—Saxophone	

**\*190.** **CHORALE.** **1 hour**  
*Fall, Winter, Spring Quarters.*  
 Open to all qualified students by audition. The College Chorus presents performances both on and off campus. Emphasis is placed on exploration of various styles of vocal music.

**\*191** **NGC SINGERS.** **1 hour**  
 Must have permission of the Director. This is a select group of talented musicians who perform both on and off campus. Music performed is selected from all periods of music including contemporary, avant-garde, Jazz and Pop.

**\*192.** **NGC PATRIOTS.** **1 hour**  
 Male military Chorus open to all ROTC Cadets by audition. This is the official ensemble of the North Georgia College Corps of Cadets.

**\*195.** **CONCERT/MARCHING BAND.** **1 hour**  
*Fall, Winter, Spring Quarters.*  
 Membership in the concert band is open to all qualified students by audition. Balanced instrumentation is a factor in accepting new members each quarter. Symphonic band transcriptions and compositions for band will be included in the performance both on and off campus.

**\*196.** **GOLDEN EAGLE BAND.** **1 hour**  
 The official instrumental ensemble of the North Georgia College Corps of Cadets, the Golden Eagles perform at college ceremonies and functions. The unit regularly marches in parades and attends festivals throughout the Southeast. Programs include traditional marches, as well as jazz and big-band arrangements in concerts performed on and off the campus. The band is open to all qualified students by audition.

**\*197.** **COLLEGE-COMMUNITY ORCHESTRA.** **1 hour**  
 Membership in the orchestra is open to all qualified students by audition. Music from the standard chamber orchestra and orchestra repertoire will be rehearsed and performed on campus and in the community.

200.	<b>THEORY: INTERMEDIATE.</b> Secondary dominant chords and inversions, sight-singing and dictation.	3 hours
201.	<b>THEORY: INTERMEDIATE.</b> Altered chords, sight-singing and dictation.	3 hours
202.	<b>THEORY: ADVANCED.</b> Chromatic harmony, modulation and contemporary harmonic techniques.	3 hours
203.	<b>KEYBOARD HARMONY.</b> Techniques for harmonic accompaniment and modulation.	1 hour
205.	<b>MUSIC APPRECIATION.</b> An introduction to the history of music. Musical language, form, instrumentation, and expression are treated through lectures and the hearing of representative works.	5 hours
221.	<b>PERCUSSION TECHNIQUES.</b> Theory and practice in performance on the common percussion instruments.	2 hours
222.	<b>WOODWIND INSTRUMENTS.</b> Theory and practice in performance on the single and double reed instruments.	2 hours
223.	<b>BRASSWIND INSTRUMENTS.</b> Theory and practice in performance on the brasswind instruments.	2 hours
224.	<b>STRING INSTRUMENTS.</b> Theory and practice in performance with string instruments.	2 hours
*230, 231, 232.	<b>APPLIED MUSIC SERIES.</b> A continuation of the Applied Music Series. These courses may be modified for one or two hour credits for all instruments.	1 hour
*233, 234, 235.	<b>APPLIED MUSIC SERIES.</b> A continuation of the Applied Music Series.	2 hours
301.	<b>COUNTERPOINT.</b> The study and composition of Eighteenth Century contrapuntal genres.	3 hours
302.	<b>FORM AND ANALYSIS.</b> Basic principles for the analysis of musical forms.	3 hours
306.	<b>MUSIC FOR THE ELEMENTARY GRADES.</b> A course designed to develop in teachers an understanding of child growth through music. Music theory, materials, methods, and problems pertaining to the teaching of music in the elementary school are studied.	5 hours
310.	<b>TEACHING AND SUPERVISION OF ELEMENTARY SCHOOL MUSIC.</b> The teaching and supervision of music in the schools.	5 hours

321.	<b>CONDUCTING.</b> Basic conducting techniques and score readings for choral and instrumental music.	2 hours
322.	<b>ADVANCED CONDUCTING.</b> Specialized techniques for conducting instrumental music.	2 hours
323.	<b>ADVANCED CONDUCTING.</b> Specialized techniques for conducting choral music.	2 hours
324.	<b>ACCOMPANYING.</b> Techniques for vocal and instrumental accompanying and accompanying in class.	2 hours
*330, 331, 332.	<b>APPLIED MUSIC SERIES.</b> A continuation of the Applied Music Series. These courses may be modified for one or two hour credits for all instruments.	1 hour
*333, 334, 335.	<b>APPLIED MUSIC SERIES.</b> A continuation of the Applied Music Series.	2 hours
356.	<b>HISTORY OF MUSIC.</b> A survey of history of music from ancient to 1750 designed to acquaint the student with the literature within a historical prospective. Composers, styles, and media are studied.	5 hours
357.	<b>HISTORY OF MUSIC.</b> A continuation of Music History from 1750 to present.	5 hours
405.	<b>MUSIC IN AMERICA.</b> A historical survey of American music from colonial times to the present.	5 hours
417.	<b>INSTRUMENTAL AND CHORAL METHODS IN HIGH SCHOOL.</b> This course considers the organization and administration of performing groups commonly found in the high school.	5 hours
*430, 431, 432.	<b>APPLIED MUSIC SERIES.</b> A continuation of the Applied Music Series.	1 hour
*433, 434, 435.	<b>APPLIED MUSIC SERIES.</b> A continuation of Applied Music Series in preparation for the presentation of a senior recital.	2 hours
440.	<b>KEYBOARD LITERATURE.</b> A survey of compositions for harpsichord and piano from the Renaissance to the present as well as stylistic and formal analysis of representative works.	5 hours
470.	<b>PIANO PEDAGOGY.</b> Materials and methods for teaching elementary and intermediate piano as well as directed teaching.	5 hours

\*NOTE: Students not majoring in music may earn up to twelve quarter hours in applied music or ensembles. However, no more than six of these hours may apply toward graduation requirements.

## COURSES IN EDUCATION FOR ART AND MUSIC EDUCATION MAJORS

<b>Ed 311d.</b>	<b>ART EDUCATION CURRICULUM.</b> (See courses in Education)	<b>5 hours</b>
<b>Ed. 311e.</b>	<b>MUSIC EDUCATION CURRICULUM.</b> (See courses in Education)	<b>5 hours</b>
<b>Ed. 421d.</b>	<b>MATERIALS AND METHODS FOR ART EDUCATION.</b> (See courses in Education)	<b>5 hours</b>
<b>Ed. 421e.</b>	<b>MATERIALS AND METHODS FOR MUSIC EDUCATION</b> (See courses in Education)	<b>5 hours</b>
<b>Ed. 431d.</b>	<b>STUDENT TEACHING IN ART.</b> (See courses in Education)	<b>15 hours</b>
<b>Ed 431e.</b>	<b>STUDENT TEACHING IN MUSIC.</b> (See courses in Education)	<b>15 hours</b>

## COURSES IN SPEECH

<b>211.</b>	<b>SPEECH.</b> A course designed to help the speaker achieve methods of speaking which are natural, correct, and effective. Open to freshman by permission only.	<b>5 hours</b>
<b>213.</b>	<b>CREATIVE SPEECH COMMUNICATIONS.</b> Innovative techniques and practical applications to achieve the effective communication of ideas.	<b>5 hours</b>

## COURSES IN THEATRE

<b>101, 102, 103.</b>	<b>APPLIED THEATRE.</b> Assignments in the actual rehearsal, production and performance of plays.	<b>1 hour</b>
<b>115.</b>	<b>FUNDAMENTALS OF ACTING.</b> A survey of the combined elements of theatrical production.	<b>5 hours</b>
<b>150.</b>	<b>INTRODUCTION TO THEATRE.</b> A survey of Theatre and Drama from its beginnings to the present, including enjoyment and appreciation of live Theatre, elements of Theatrical production, Twentieth Century Drama, and a History of the American Musical on stage.	<b>5 hours</b>

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

**Philip G. Buckhiester, Department Head**

## MAJOR IN MATHEMATICS

### CORE CURRICULUM REQUIREMENTS

AREA I—HUMANITIES	HOURS CREDIT	AREA II—MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101-102	10	Mathematics 119, 120; or 113H, 122H	10
Course(s) from English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence)	10
Appropriate Modern Language course	0-5	Biology 101-102 Chemistry 101-102; or 121-122 Physics 223-224; or 223-225	
AREA III — SOCIAL SCIENCE	HOURS CREDIT	AREA IV — COURSES APPROPRIATE TO MAJOR FIELD	HOURS CREDIT
Political Science 101	5	Mathematics 245, 246, 247	20
100-200 Level History Courses	5-10	Foreign Language	5-10
Courses from Anthropology 100 Business Admin. 221, 222 Psychology 101, 205 Sociology 100	5-10	Courses from Computer Science 120, 211, 220, 225, 230, 235, 250 251, 252	5-10
MATHEMATICS MAJOR			
Math 300, 340, 360, 365, 410, Three courses from Math 350, 355, 411, 415, 416, 418, 431, 440, 441, 460			25 15
COURSES IN THE MINOR			
Under the direction of the major advisor, the student will select a departmental minor.			minimum—20
ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)			
MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)			18
BASIC PHYSICAL EDUCATION REQUIREMENTS			6
MODERN LANGUAGE REQUIREMENTS (see Area IV above)			
U.S. AND GEORGIA CONSTITUTION REQUIREMENT			
U.S. AND GEORGIA HISTORY REQUIREMENT			

**MAJOR IN MATHEMATICS—SECONDARY EDUCATION\*****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 119, 120; or 113H, or 122H	10
Two courses from English 203, 204, 205, 206, 207	10	Sciences: A 10-hour sequence of courses Biology 101-102 Chemistry 101-102 or 121-122 Physics 223-224; or 223-225	10
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Mathematics 245, 246, 247	15
History 100	5	Computer Science 120	2
100-200 Level History Courses	5	Economics 221, 222 or a 10 hour sequence in foreign language	10
Psychology 101	5	Education 204	5
<b>MATHEMATICS MAJOR</b>			
Mathematics 240, 312, 360, 365			20
300-400 Level Math Courses			15
<b>PROFESSIONAL EDUCATIONAL SEQUENCE</b>			
Education 305, 311c, 421c and 431c			30
Special Education 360			5
<b>OTHER REQUIREMENTS</b>			
Physical Education 390			5
Physical Education 420 or 309			1-5
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			
<b>MODERN LANGUAGE REQUIREMENTS (see Area IV above)</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

\*All bachelor degree programs in teacher education leading to state certification are also subject to degree requirements listed in the Department of Education section of this catalog.

**MAJOR IN COMPUTER SCIENCE****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Math 119-120	10
Course from English 203, 204, 205, 206, 207	5	Sciences (one ten-hour sequence)	10
Modern Language 201	5	Physics 223-224 or 223-225*	
		Biology 101-102	
		Chemistry 101-102 or 121-122	
<b>AREA III—SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Mathematics 245, 246	10
History 100	5	Computer Science 250, 251	10
Courses from Business Administration 221, 222*	10	Course from Physics 223, 224, 225, Business Administration 231*	5
Psychology 101, 205		Foreign Language or Mathematics 240	5
Sociology 100			
100-200 level History courses			
<b>COMPUTER SCIENCE MAJOR</b>			
Computer Science 252, 351, 352, 353			20
Choose from Computer Science 354, 390, 410, 420, 430, 440, 490, 120, 220, 225, 230, 211. Physics 376L			20
<b>OTHER REQUIREMENTS</b>			
Mathematics 350			5
Mathematics 365 and/or Mathematics 355*			5-10
Mathematics 240 or Mathematics 340 (unless taken in Area IV)			0-5
Completion of a 25-hour concentration in Business Administration or in Physics*			10 hrs. minimum
<b>COURSES IN MINOR</b>			
Under the direction of the major advisor, the student will choose a minor			20 hrs. minimum
<b>ELECTIVES (To bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			18
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			6
<b>MODERN LANGUAGE REQUIREMENTS</b> (10 hours of Modern Language Courses)			10
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

\*The major in Computer Science includes the choice of a concentration in Business Administration (BA 231, 232, plus 15 hours of approved Business Administration courses) or a concentration of Physics (Physics 223, 224, Mathematics 355 plus 15 hours from Physics 225, 340, 345, 350). BA 221 and BA 222 may be applied to the Business Administration concentration, but are not required. Students who want to maintain flexibility in their program are encouraged to take BA 221-222 in Area III and Physics 223-224 in Area II.

## **DUAL DEGREE PROGRAM**

### **MATHEMATICS/ENGINEERING**

### **MATHEMATICS/COMPUTER SCIENCE**

Dual Degree Programs are offered in Mathematics/Engineering with Clemson University and Georgia Tech and in Mathematics/Computer Science with Georgia Tech. Students are provided the opportunity to attend North Georgia College for approximately three years before embarking on professional academic work at Georgia Tech or Clemson.

After completing the academic requirements of both institutions, the student shall receive a Bachelor's Degree in Mathematics from North Georgia College and a Bachelor's Degree in a chosen Engineering field or Computer Science from the second institution.

Dual Degree students from North Georgia who work toward a Bachelor of Science Degree in Mathematics are eligible to seek any of the following second degrees:

#### **From Georgia Tech:**

Bachelor of Science in Information and Computer Science  
Bachelor of Aerospace Engineering  
Bachelor of Ceramic Engineering  
Bachelor of Chemical Engineering  
Bachelor of Civil Engineering  
Bachelor of Electrical Engineering  
Bachelor of Engineering Economic Systems  
Bachelor of Engineering Science  
Bachelor of Industrial Engineering  
Bachelor of Mechanical Engineering  
Bachelor of Nuclear Engineering  
Bachelor of Textile Engineering

#### **From Clemson University:**

Bachelor of Agricultural Engineering  
Bachelor of Ceramic Engineering  
Bachelor of Civil Engineering  
Bachelor of Computer Engineering  
Bachelor of Electrical Engineering  
Bachelor of Engineering Analysis  
Bachelor of Mechanical Engineering

### **DUAL DEGREE REQUIREMENTS:**

1. Complete 142-145 quarter hours at North Georgia College as outlined below (exclusive of Military Science and Physical Education courses).
2. Obtain recommendation of Dual Degree Coordinator at North Georgia College.
3. Maintain a college grade point average and specified test results which would indicate that the student could satisfactorily complete the degree requirements at the second institution.
4. Complete a program at the second institution which equals the number of credit hours required of normal juniors and seniors enrolled in the standard curriculum for the degree being sought.
5. If the official study program at the second institution includes electives and the candidate has excessive hours at North Georgia College, he may petition that these excess hours be used as transfer credits. Such transfer credit shall not amount to more than one half of the official study program at the second institution.

## DUAL DEGREE PROGRAM—MATHEMATICS/COMPUTER SCIENCE

### CORE CURRICULUM REQUIREMENTS

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 119, 120	10
Courses from English 203, 204, 205 206, 207	5	Chemistry 121, 122; or Biology 101, 102	10
Modern Language 201	5		
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Mathematics 245, 246, 247	15
Psychology 101	5	Physics 223, 224, 225	15
Business Admin. 221	5		
History 100	5		

The 145 hours at North Georgia College should include Physics 230, 240, 310, Math 300, 340, 360, 365, 410; Computer Science 250, 251 and Business Administration 222.

## DUAL DEGREE MATHEMATICS/ENGINEERING

### CORE CURRICULUM REQUIREMENTS

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 119, 120	10
Courses from English 203, 204, 205 206, 207	10	Chemistry 121, 122	10
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Mathematics 245, 246, 247	15
History 100	5	Physics 223, 224, 225	15
Courses from Business Admin. 221, 222, Psychology 101, 205, Sociology 100	10		

The 142 hours at North Georgia College should include Physics 230, 240, 310, 375-6-7, Math 300, 340, 360, 365, 410; five hours additional 300-400 level Mathematics Courses; four hours of approved courses in Computer Science.

## MINOR IN COMPUTER SCIENCE

A minor in computer science consists of CpSc 250, exactly one of CpSc 235 and CpSc 251, at least one of CpSc 351 and CpSc 352, plus courses chosen from the following to bring the total number of hours to 25: CpSc 120, 211, 220, 225, 230, 252; BAdm 251, Phys 350, any 300 or 400 level computer science course. Credit will not be given for both CpSc 420 and CpSc 220/230

## MINOR IN MATHEMATICS

A minor in mathematics consists of the following courses: 245, 246, 247 and two approved courses from the 300 or 400 level.

# COURSES IN MATHEMATICS

**101. FINITE MATHEMATICS I.** 5 hours  
A course in finite mathematics with applications. Topics include linear functions, matrices, systems of linear equations, sets, counting methods, probability, and mathematics of finance.

**102. FINITE MATHEMATICS II.** 5 hours  
Prerequisite: Math 101 or approval of department head. Topics include linear programming, statistics, markov chains, and game theory.

**113H. FINITE MATHEMATICAL MODELS FOR HONOR STUDENTS** 5 hours  
Prerequisite: Four years of high school college preparatory mathematics and a Math SAT score of 550 or above.  
A study of various finite mathematical models. Principal topics will be selected from the following: graphs, probability, statistics, markov chains, matrices, combinatorics, linear programming.

**119. PRECALCULUS MATHEMATICS I.** 5 hours  
Topics include relations and functions, graph sketching, systems of equations and inequalities, matrices and determinants, sequences, mathematical induction, counting methods, binomial theorem.

**120. PRECALCULUS MATHEMATICS II.** 5 hours  
Prerequisite: Math 119 or approval of department head. Topics include exponential and logarithmic functions, the circular functions, trigonometric identities, applications of trigonometry, the complex numbers, polynomial and rational functions, the conic sections.

**122H. PRECALCULUS MATHEMATICS FOR HONOR STUDENTS.** 5 hours  
Prerequisite: Math 113H or approval of department head. A course in precalculus topics for honor students. Topics include trigonometric functions, mathematical induction, plane and solid analytic geometry.

**240. ELEMENTARY STATISTICS.** 5 hours  
Prerequisite: Five hours of college mathematics. A noncalculus introduction to randomness, measures of central tendency, measures of dispersion, the binomial distribution, the normal distribution, confidence intervals, hypothesis testing, linear regression and correlation.

**\*245. CALCULUS I.** 5 hours  
Prerequisite: Mathematics 119 and 120, or Math 122H. An introduction to differential and integral calculus with applications. Emphasis is on differentiation and integration of algebraic functions.

**\*246. CALCULUS II.** 5 hours  
Prerequisite: Math 245. A continuation of Math 245. Emphasis is on differentiation and integration of transcendental functions.

\*It is recommended that a student obtain a C or above in any prerequisite before taking this course.

*247.	<b>CALCULUS III.</b>	<b>5 hours</b>
	Prerequisite: Math 246. A continuation of Math 246. Topics include partial differentiation and multiple integration, infinite series, and vector analysis.	
*300.	<b>DIFFERENTIAL EQUATIONS.</b>	<b>5 hours</b>
	Prerequisite: Math 246. An introductory course in ordinary differential equations with emphasis upon linear differential equations of the first and second orders.	
310.	<b>INTRODUCTION TO MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH TEACHERS I.</b>	<b>5 hours</b>
	Prerequisites: Math 101 and junior or senior standing. This course promotes facilities in the concepts, structure, and style of mathematics studied and taught in the elementary school with emphasis on the arithmetic strands.	
311.	<b>INTRODUCTION TO MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH TEACHERS II.</b>	<b>5 hours</b>
	Prerequisite: Math 101 and junior or senior standing. This course promotes facilities with the concepts, structure, and style of mathematics, studied and taught in the elementary school with emphasis on the geometric strands.	
312.	<b>GEOMETRY FOR TEACHERS.</b>	<b>5 hours</b>
	Designed to prepare the student to teach modern secondary-school geometry. It includes Euclidean and non-Euclidean geometrics.	
340.	<b>PROBABILITY AND STATISTICS.</b>	<b>5 hours</b>
	Prerequisite: Math 246. A calculus-based introduction to probability distributions and statistical inference. Topics will include probability distributions, expectations, hypothesis testing, and estimation procedures.	
350.	<b>INTRODUCTION TO DISCRETE MATHEMATICS.</b>	<b>5 hours</b>
	Prerequisite: Math 245. A course in discrete mathematical structures. Topics will include sets, logic, Boolean algebra, elementary graph theory, and combinatorial methods.	
*355.	<b>NUMERICAL ANALYSIS.</b>	<b>5 hours</b>
	Prerequisite: Math 246. A course in numerical solutions to problems in mathematics: roots of non-linear equations, zeros of polynomials, interpolation, systems of linear algebraic equations, quadrature, ordinary differential equations with analysis of methods and errors; and programming of methods on a computer.	
360.	<b>INTRODUCTION TO ABSTRACT ALGEBRA.</b>	<b>5 hours</b>
	Prerequisite: Math 246 or approval of departmental head. An introduction to the basic concepts of linear algebra. Topics include finite-dimensional vector spaces, bases, linear transformations, and matrices.	

\*It is recommended that a student obtain a C or above in any prerequisite before taking these courses.

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**410.** **MATHEMATICAL ANALYSIS I** **5 hours**  
Prerequisite: 10 hours of mathematics beyond Math 246. An introduction to the real number system, the basic notions of set theory, limit concept and continuity, and the foundations of the differential and integral calculus of one variable.

**411.** **MATHEMATICAL ANALYSIS II.** **5 hours**  
Prerequisite: Math 410 and 247. A continuation of Math 410 to include the calculus of several variables, improper integrals, Taylor series, and uniform convergence.

**\*415.** **ELEMENTARY VECTOR ANALYSIS.** **5 hours**  
Prerequisite: Math 247 or the consent of the Department Head. Course covers the elements of vector algebra and vector calculus with some space generalizations.

**\*416.** **ORTHOGONAL FUNCTIONS AND BOUNDARY VALUE PROBLEMS.** **5 hours**  
Prerequisite: Math 247 and 300; or consent of the department head. A study of fourier series and integrals. Sturm-Liouville systems, applications to solution of partial differential equations with boundary conditions.

**\*418.** **FUNCTIONS OF A COMPLEX VARIABLE.** **5 hours**  
Prerequisite: Math 247 or approval of department head. A study of the conditions for analyticity, elementary functions, the Cauchy integral theorem, the fundamental theorem of algebra, power series, residues, poles, conformal mapping.

**431.** **THEORY OF NUMBERS.** **5 hours**  
Prerequisite: Math 247. A study of elementary problems in number theory with topics from divisibility, congruences, residues, special functions, Diophantine equations, continued fractions.

**440.** **THEORY OF PROBABILITY AND MATHEMATICAL STATISTICS I.** **5 hours**  
Prerequisite: Math 247. Principal topics include combinatorial methods, axiomatic probability, discrete and continuous probability distributions, mathematical expectation, moment generating functions.

**441.** **THEORY OF PROBABILITY AND MATHEMATICAL STATISTICS II.** **5 hours**  
Prerequisite: Math 440. Principal topics include sums of random variables, sampling distributions, properties of estimators, tests of hypothesis.

**460.** **MATHEMATICAL MODELS.** **5 hours**  
Prerequisites: Math 240, 340 or 440, and Math 246, or consent of department head. A study of various mathematical models, with emphasis on problems from the managerial, social, and biological sciences. Topics will be selected from the following: graph theory, matrix algebra, probability, combinational theory, mathematical programming, calculus-based models.

\*It is recommended that a student obtain a C or above in any prerequisite before taking this course.

**470.** **HISTORY OF MATHEMATICS.** **5 hours**  
 Prerequisite: Math 247 or approval of department head. A survey of the historical development of mathematics with emphasis on topics for secondary teachers.

**490.** **INDEPENDENT STUDY.** **1-5 hours**  
 Independent reading and study under the direction of the staff of the department covering selected topics not normally discussed in major course work.

## COURSES IN COMPUTER SCIENCE

**120.** **INTRODUCTION TO BASIC.** **2 hours**  
 Prerequisite: Two years of high school algebra or five hours of college level mathematics. Organization and characteristics of digital computers; description and use of the BASIC programming language; development of algorithms and programs for elementary problems.

**130.** **COMPUTER IN SOCIETY: USES AND INFLUENCES.** **3 hours**  
 An introduction to computers, including their uses in and impact on modern society, with emphasis on applications in various areas. Topics will include the evolution of computers, modern systems, input and output devices, types of programming languages, software packages, microcomputers.

**138** **COMPUTERS IN EDUCATION.** **3 hours**  
 An introductory course in computers and computing for teacher education majors at all levels. The course will include an overview of the role of time sharing systems and microcomputers in education, low-level programming instruction in BASIC, and hands-on experience involving software materials in computer assisted instruction and computer managed instruction.

**211.** **EXTENDED BASIC.** **1 hour**  
 Prerequisite: CpSc 120 or BA 251. A programming course which includes special topics in BASIC Programming not covered in CpSC 120, such as matrix operations and various system-dependent extensions of BASIC.

**220.** **MICROCOMPUTER PROGRAMMING.** **2 hours**  
 Prerequisite: CpSc 120 or BA 251. An indepth study of micro and personal computers with emphasis on features not available in time sharing on larger computers. Topics will include graphics, file capabilities, monitor, subroutines, memory organization, and input/output unique to a small computer.

**225.** **INTRODUCTION TO FORTRAN.** **2 hours**  
 Prerequisite: Five hours of college mathematics. A study of the syntax and semantics of the FORTRAN programming language as implemented on available computers; programming of numerical-oriented problems.

**230.** **ASSEMBLY LANGUAGE FOR MICROPROCESSOR.** **3 hours**  
 Prerequisite: Four hours of computer science or BA 251. Microcomputer organization, machine-language programming and assembly systems for microprocessors, symbolic codings, subroutine calls; binary, octal, and hexidecimal number systems.

**235. INTRODUCTION TO COBOL. 3 hours**  
Prerequisite: C.S. 120 or B.A. 251. A study of the syntax and data manipulative capabilities of the COBOL programming language as implemented on available computers; file structure organization and processing; programs in business-oriented area.

**250. PRINCIPLES OF COMPUTER SCIENCE. 5 hours**  
Prerequisite: 10 hours of college level mathematics with C or above in each course. Introduction to problem solving methods which lead to the construction of correct, well-structured algorithms for a computer problem and the use of these techniques in the design, coding, debugging, and documentation of well-structured programs. The fundamentals of information representation, elementary data organization and computer system organization will be covered. To accomplish these objectives, the syntax of the PASCAL programming language will be taught.

**251. FILE PROCESSING. 5 hours**  
Prerequisite: C or above in CpSc 250. The creation, use, and modification of sequential-access and random-access data files will be taught with continued emphasis on the design, implementation, testing, and documentation skills begun in CpSc 250. Representation of data and report preparation topics will be covered. The COBOL language will be used in accomplishing these objectives.

**252. ASSEMBLY LANGUAGE PROGRAMMING. 5 hours**  
Prerequisite: CpSc 251. Introduction to computer organization, machine-language programming and assembly systems; addressing techniques, digital representation of data, mnemonics for machine instructions, registers, macros, input/output, subroutine and program segmentation will be covered.

**351. COMPUTER ORGANIZATION. 5 hours**  
Prerequisite: CpSc 250; and 251 or 235. Hardware and software components of computer systems; topics include system architecture, input/output, interrupts, storage devices, virtual memory, segmentation, paging, multiprogramming, multiprocessing, realtime systems, supervisory systems.

**352. DATA STRUCTURES. 5 hours**  
Prerequisites: CpSc 250; 251 or 235. A study of data storage methods on a computer. Topics covered include addressing structures, symbol table techniques, algorithms for the storage and manipulation of arrays, trees, strings, and lists; sorting, searching and file structures.

**353. OPERATING SYSTEMS AND COMPUTER ARCHITECTURE. 5 hours**  
Prerequisites: CpSc 252. Comprehensive study of the structure and implementation of computer operating systems for a spectrum varying from microcomputers to large time-sharing systems; the attributes of computer architecture as related to operating systems.

**354. PROGRAMMING LANGUAGES. 5 hours**  
Prerequisites: CpSc 251. Instruction in the organization of programming languages through the study of constructs of various languages on the computer. Data types, control structures, interpretative languages, and parsing will be studied. Programming assignments in several languages will be conducted to illustrate their features.

390.	<b>SELECTED TOPICS.</b>	<b>1-5 hours</b>
	Prerequisite: Permission of instructor. Modern concepts in special areas of computer science. May be repeated for credit.	
410.	<b>DATABASE MANAGEMENT SYSTEMS.</b>	<b>5 hours</b>
	Prerequisite: CpSc 352. The concepts and structures necessary to design and implement a data base management system. Physical file organization and data organization techniques, index organization, inverted files, query functions and file security will be covered.	
420.	<b>MICRO COMPUTERS.</b>	<b>5 hours</b>
	Prerequisite: CpSc 252 (Credit not granted for this course and CpSc 220/230.) Features and characteristics of microcomputers and their increasing use in all fields. Assembly language programming for micro processors to accomplish features currently available as well as some that are unavailable. The bus system, input/output interfaces, interrupts and memory systems for the microcomputer will be covered.	
440.	<b>DATA COMMUNICATIONS.</b>	<b>5 hours</b>
	Prerequisite: CpSc 252. Comprehensive introduction to computer telecommunications, including data codes, communication media, terminal devices and associated software, common carrier services, system design.	
490.	<b>INDEPENDENT STUDY.</b>	<b>1-5 hours</b>
	Independent study under the direction of the staff. Normally, topics covered will include areas not regularly offered as part of the program.	

## COURSE IN METEOROLOGY

301.	<b>METEOROLOGY.</b>	<b>5 hours</b>
	A basic course designed to acquaint the student with the fundamental concepts of meteorology and its relation to other fields of interest. Mathematics will be used when it seems essential to the complete understanding of a concept. Included are such topics as air masses and fronts, cloud classification, precipitation mechanisms, weather observations, fundamental forecasting theories, and interpretation of weather charts and diagrams.	

# DEPARTMENT OF MILITARY SCIENCE

**Colonel Theron H. Hill, Department Head**

## GENERAL INFORMATION

Military Science courses conform to the subject requirements of the Senior Division Reserve Officer Training Corps (ROTC) program established by Department of the Army. The objectives of the ROTC program are to attract, motivate, and prepare selected students with high potential to serve as commissioned officers in the Regular Army or the US Army Reserve. In addition to providing courses required to earn a commission through the ROTC program, military science instruction and associated activities have the aim for all students of developing leadership and managerial potential, providing an understanding of the requirements and organization for national security, and instilling a strong sense of personal integrity and individual responsibility.

Additional information concerning the total military program at North Georgia College is provided in the General Information Section of this catalog.

## COURSE STRUCTURE

Military Science courses are grouped into basic course ROTC subjects and advanced course ROTC topics. The basic course is comprised of Military Science I (MS I) and MS II courses in the 100 and 200 series. The advanced course (MS III and MS IV) consists of 300 and 400 series courses. MS I and MS II courses meet two classroom hours per week; MS III and MS IV subjects require three classroom hours per week.

Leadership laboratory periods, an integral part of military science instruction in addition to the classroom work, will be held for special training and applied leadership experience. Occasional ceremonies, consisting of Parades or Reviews, highlight the presentation of awards or the honoring of a distinguished guest.

## MINOR IN MILITARY SCIENCE

The minor in Military Science is designed specifically for those individuals who are planning a career in the U.S. Army as commissioned officers. This minor may not be used as a substitute for any minor required by a student's academic major and cannot be considered as part of a student's "area of concentration." The military minor will be considered as a second minor. Courses required for completion of the minor in Military Science may not be used to satisfy the course requirement for a student's academic major or minor.

Requirements for award of the minor in Military Science are:

1. Be accepted into the program by the PMS
2. Complete courses required for major.
3. Successfully complete the ROTC Advance Course of instruction. (12 hours)
4. Successfully complete the ROTC Advance Camp.
5. Successfully complete MS 470 - Military Professional Ethics (1 hour)
6. Successfully complete one of the following courses (5 hours):
  - ENGL 250—Introduction to Technical and Professional Writing
  - ENGL 350—Advanced Composition
  - BADM 261—Business Communications
  - SPCH 211—Speech
  - ENGL 307—Advanced English Grammar
  - SPCH 213—Creative Speech Communications

7. Successfully complete two courses from the following areas. Only one course may be chosen from any area (10 hours).

**Area I - Human Behavior**

- \*PSYH 320—Psychology of Leadership
- PSYH 362—Industrial/Organizational Psychology
- PSYH 315—Social Psychology

**Area II - Military History**

- \*HIST 375—History of Western Warfare
- HIST 310—Twentieth Century, II
- HIST 321—Russian History Since 1905
- HIST 309—Twentieth Century, I

**Area III - Management**

- \*BADM 361—Principles of Management
- BADM 465—Personnel Management
- BADM 455—Production Management
- BADM 352—Quantitative Methods II - Statistical Analysis for Business

**Area IV - National Security Studies**

- \*PLSI 303—International Relations
- PLSI 406—Soviet Foreign Policy
- PLSI 401—Comparative Government
- PLSI 402—Twentieth Century Political Thought
- BADM 427—International Trade
- \*HIST 477—Studies in National Defense and National Security

\*Preferred Course

# COURSES IN MILITARY SCIENCE

## COURSE REQUIREMENTS

All members of the Corps of Cadets must be enrolled each quarter in Military Science classes unless exempted for cause upon recommendation of the Professor of Military Science and approval of the Vice President for Academic Affairs. Cadets are required to enroll for the military science course appropriate to their progression toward completing degree and commissioning requirements. Twelve quarters of the military science curriculum (18 quarter hours) is the minimum required for those cadets seeking a commission in the U.S. Army. Students may receive advanced placement in military science for prior military service or ROTC instruction. Women students and commuting male students may enroll in ROTC courses.

<b>100.</b>	<b>MILITARY ACTIVITIES.</b>	<b>1 hour</b>
	<i>Fall Quarter.</i>	
	An introductory course providing the student a general orientation of the purpose and objectives, and organization of the U.S. Army and the Army ROTC Program. Instruction will also include career opportunities, and obligations of the officer, rifle marksmanship, professional ethics, first aid, and weapons of the combat arms.	
<b>101.</b>	<b>SELECTED STUDIES IN CONFLICT I/II.</b>	<b>1 hour</b>
	<i>Winter Quarter.</i>	
	A survey of selected portions of military history from 1775 to the present with emphasis on selected campaigns which relate the principles of war, tactics and present day strategy. Accordingly, emphasis on power and national objectives are surveyed in relation to the principles of war, tactics and strategy.	

102.	<b>INTRODUCTION TO METHODS OF INSTRUCTION AND MAP READING.</b>	<b>1 hour</b>
	<i>Spring Quarter</i>	
	The first portion of the course is an introduction to the procedures of planning and presenting military instruction. Fundamentals of special techniques, stage instruction, use of training aids, and the basic preparation of lesson plans are emphasized.	
The second portion of the class is devoted to familiarizing the student with the basic theories, principles and techniques of map reading. Instruction includes locating and identifying the marginal information on a map, identifying common topographic symbols on a map, locating specific points on a map, and reading and plotting grid azimuths on a map using a protractor.		
<b>SECOND-BASIC COURSE—MS II</b>		
200.	<b>METHODS OF INSTRUCTION.</b>	<b>1 hour</b>
	<i>Fall Quarter.</i>	
	Students learn the procedures involved in planning and presenting military instruction. An understanding of fundamentals is developed by examining the stages of instruction, speech techniques, use of training aids, and preparation of lesson plans. Assignment of contemporary leadership problems as subject topics for presentation develops concurrent understanding of the fundamentals of leadership and aids in preparing the student for MS 300.	
201.	<b>MAP READING AND LAND NAVIGATION.</b>	<b>1 hour</b>
	<i>Winter Quarter.</i>	
	A course designed to familiarize the student with the principles of map construction and usage. Instruction includes military and topographic map symbols, reference systems, location, and direction. Emphasis is placed on the ability to accomplish terrain evaluation by map analysis.	
202.	<b>INTRODUCTION TO TACTICAL OPERATIONS.</b>	<b>1 hour</b>
	<i>Spring Quarter.</i>	
	A course designed to introduce the student to small unit ground tactical operations. Emphasis is placed upon the organization, capabilities, and employment of the rifle squad and the construction and issuing of operations orders.	
<b>THIRD YEAR—ADVANCED COURSE—MS III</b>		
300.	<b>LEADERSHIP.</b>	<b>2 hours</b>
	<i>Fall Quarter.</i>	
	A Performance Oriented Program designed to develop in cadets those skill areas which are important for Platoon Leadership. This objective is accomplished by first presenting the cadets a realistic preview of the platoon leader's job and then providing cadets training and practice in basic leadership principles and skills.	
301.	<b>PLATOON OPERATIONS.</b>	<b>2 hours</b>
	<i>Winter Quarter.</i>	
	A study of the organization, mission, and capabilities of the infantry unit up to platoon level. Combat orders, Troop Leading Procedures, Fundamentals of Offensive and Defensive Operations, control measures, and an introduction to the combined arms team are studied in detail. Emphasis is placed on using the decision making process to arrive at logical tactical decisions and on expressing these decisions clearly and concisely.	

<b>302.</b>	<b>BASIC SKILLS AND TECHNIQUES.</b>	<b>2 hours</b>
	<i>Spring Quarter.</i>	
	A survey of the basic skills and techniques required of the proficient soldier in an infantry platoon. The course uses Army Skills Levels 1-3 as a guide and provides the student with a working knowledge of the skills and techniques required of infantry soldiers in today's Army.	
<b>350.</b>	<b>INDEPENDENT STUDY.</b>	<b>2 hours</b>
	Prerequisite: Permission of PMS. A supervised research project under the supervision of an instructor. Study project may be selected by the student with approval of the instructor or may be directed. Subject areas will require independent research and analysis concerning military problems or historical examples of significance. May be taken in lieu of or in addition to other Military Science courses with permission of PMS.	
<b>360.</b>	<b>LEADERSHIP ASSESSMENT PROGRAM.</b>	<b>1 hour</b>
	A course designed to familiarize the student with the leadership assessment method and to experience some typical assessment exercises. The student will gain useful insights into their own particular behavior strengths and weaknesses from a military leadership standpoint.	
<b>FOURTH YEAR—ADVANCED COURSE—MS IV</b>		
<b>400.</b>	<b>FUNCTIONS OF COMMAND AND STAFF.</b>	<b>2 hours</b>
	<i>Fall Quarter.</i>	
	A study of command and staff relationships, staff structure and staff functions. Additional instruction is provided in the area of military correspondence preparation, both oral and written.	
<b>401.</b>	<b>MILITARY LAW AND PROFESSIONALISM.</b>	<b>2 hours</b>
	<i>Winter Quarter.</i>	
	A study of Uniform Code of Military Justice and its use by the junior officer. Professionalism is viewed through a discussion of professional ethics and how professional ethics apply to the military.	
<b>402.</b>	<b>COMBINED ARMS OPERATIONS.</b>	<b>2 hours</b>
	<i>Spring Quarter.</i>	
	A study of the operation and tactics of the Combined Arms Team and Task Force on the modern battlefield. The fundamentals of offensive, defensive, and retrograde operations of the Soviet and United States armies are discussed.	
<b>450.</b>	<b>INDEPENDENT STUDY.</b>	<b>2 hours</b>
	Prerequisite: Permission of PMS. A supervised research project under the supervision of an instructor. Study project may be selected by the student with approval of the instructor or may be directed. Subject areas will require independent research and analysis concerning military problems or historical examples of significance. May be taken in lieu of or in addition to other Military Science courses with permission of PMS.	
<b>470.</b>	<b>MILITARY PROFESSIONAL ETHICS.</b>	<b>1 hour</b>
	An introduction to the Profession of Arms, its characteristics, uniqueness, roles, and responsibilities. A basic understanding is gained of the professional soldier's responsibilities to the Army and the Nation; and of ethical decision making skills and abilities and the opportunity to apply them in real world case study situations. The underlying basis for the course is an understanding of the need for ethical conduct and greater awareness and sensitivity to ethical issues.	

# DEPARTMENT OF MODERN LANGUAGES

**W. Guy Oliver, Department Head**

## MAJOR IN FRENCH

### CORE CURRICULUM REQUIREMENTS

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101-102, or 113H	5-10
Courses from English 203, 204 205, 206, 207	10	Sciences: (one ten-hour sequence) Biology 101-102 Chemistry 101-102; or 121-122 Physical Science 115-116; Physics 101-102; or 223-224; or 223-225	10-15

<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	French	10-20
100-200 level History courses	5-15	German or Spanish	15-20
Courses selected from the following: Anthropology 100 Psychology 101-205 Sociology 100 Business Admin. 221, 222	0-10	A course from the 100 or 200 level Anthropology, Economics, Political Science, Psychology	0-5

### FRENCH MAJOR

French 301, 302, 315 and courses from French  
350, 410, 411, 412, 415, 417, 418, 419, 495, 496, 497

30

### COURSES IN THE MINOR

Under the direction of the department head, the student will select a closely-related departmental minor.

minimum—20

### ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)

### MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)

18

### BASIC PHYSICAL EDUCATION REQUIREMENTS

6

### MODERN LANGUAGE REQUIREMENTS

### U.S. AND GEORGIA CONSTITUTION REQUIREMENT

### U.S. AND GEORGIA HISTORY REQUIREMENT

### STUDY ABROAD: By arrangement of the University System of Georgia

Study Abroad Program, students may spend one quarter in France or Quebec. All course work taken under this program is fully accredited at North Georgia College.

**MAJOR IN MODERN LANGUAGES—BUSINESS SKILLS****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102 Courses from English 203, 204, 205, 206, 207	10	Mathematics 101-102, or 113H Sciences: (one ten-hour sequence)	5-10 10-15
	10	Biology 101-102 Chemistry 101-102; or 121-122 Physical Science 115-116; Physics 101-102; or 223-224; or 223-225	
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101 100-200 level History courses Business Admin. 221 Courses selected from the following: Anthropology 100 Psychology 101, 205 Sociology 100	5 5-10 5 0-5	French, German, or Spanish Business Admin. 222 Courses from 100-200 level History, Political Science, Psychology	10-20 5 0-10
<b>COURSES IN FRENCH</b>			
French 301, 302, 315, and courses from French 350, 410, 411, 412, 415, 417, 418, 419, 495, 496, 497			40
<b>COURSES IN BUSINESS SKILLS—SECRETARIAL SCIENCE</b>			
Business Administration 231, 261, 314, 315, 320, 321, 322			35
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			
<b>MODERN LANGUAGE REQUIREMENTS</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			
<b>STUDY ABROAD:</b> By arrangement of the University System of Georgia Study Abroad Program, students who have attained Junior status may spend one quarter in France, Germany, Spain, or Quebec. All course work taken under this program is fully accredited at North Georgia College.			

**MAJOR IN FRENCH—SECONDARY EDUCATION****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101-102, or 113H	5-10
Courses from English 203, 204 205, 206, 207	10	Sciences: (one ten-hour sequence) Biology 101-102 Chemistry 101-102; or 121-122 Physical Science 115-116 Physics 101-102; or 223-224; or 223-225	10-15
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	French	10-20
100-200 level History courses	5-15	German or Spanish	15-20
Courses selected from the following: Anthropology 100 Psychology 101, 205 Sociology 100 Business Admin. 221, 222	10	A course from the 100 or 200 Level Anthropology Economics, Political Science	
<b>COURSES IN THE MAJOR</b>			
French 301, 302, 315 and courses from French 350, 410, 411, 412, 415, 417, 418, 419, 495, 496, 497			40
<b>OTHER REQUIREMENTS</b>			
Fine Arts 252			5
Language Arts 430			5
Physical Education 309, 390			6-10
Special Education 360			5
<b>PROFESSIONAL EDUCATION SEQUENCE</b>			
Education 204, 305, 311c, 421c, 431c			35
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			
<b>MODERN LANGUAGE REQUIREMENTS: French 211-212</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			
<b>STUDY ABROAD:</b> By arrangement of the University System of Georgia Study Abroad Program, students may spend one quarter in France or Quebec. All course work taken under this program is fully accredited at North Georgia College.			

**MINOR IN MODERN LANGUAGES**

In French, German and Spanish, a minor consists of courses 211-212 plus advanced courses totalling at least 15 credit hours.

A minor in Languages consists of 25 hours of language courses at the 200 level or above. No more than 10 hours may be at the 200 level and at least 10 hours must be in the same language.

# COURSES IN MODERN LANGUAGES

<b>201.</b>	<b>INTRODUCTION TO LINGUISTICS.</b>	<b>5 hours</b>
	Prerequisites: None. An introductory study of descriptive, comparative and historical linguistics. The origins and structure of language are examined, and a brief analysis is made of the various language families. The importance and function of language are stressed and a brief introduction is given to the wider areas of geolinguistics and psycholinguistics.	
<b>303.</b>	<b>PANORAMA OF LATIN-AMERICAN CULTURE AND LITERATURE.</b>	<b>5 hours</b>
	No prerequisite and no language background required. A study of the cultural development of Latin America through her literature, arts and history from pre-Columbian times to the 20th century. Taught in conjunction with Spanish 303. (Cannot be used for a minor in Modern Languages. May not be taken in duplication of Spanish 303).	
<b>310, 311, 312.</b>	<b>INDEPENDENT STUDY.</b>	<b>3, 3, 3 hours</b>
	Independent, individualized courses of study for an introduction into the basics of the following languages:	
	a. Arabic	c. Hebrew
	b. Greek	d. Italian
e. Latin		
<b>320.</b>	<b>INDEPENDENT STUDY.</b>	<b>1-5 hours</b>
	Prerequisite: Permission of the department. This course may be taken a maximum of three times in any or each of the languages offered by the Department of Modern Languages.	
<b>COURSES IN FRENCH</b>		
<b>101.</b>	<b>ELEMENTARY FRENCH I.</b>	<b>5 hours</b>
	An introduction to the French language covering basic grammar and reading, and using the language laboratory. Not credited for duplication of high school units.	
<b>102.</b>	<b>ELEMENTARY FRENCH II.</b>	<b>5 hours</b>
	Prerequisite: French 101. A continuation of Elementary French I. Not credited for duplication of high school units.	
<b>211.</b>	<b>INTERMEDIATE FRENCH I.</b>	<b>5 hours</b>
	<i>Fall, Spring Quarters.</i>	
	Prerequisite: French 102 or two years of High School French. Review of grammar with continued conversation and reading.	
<b>212.</b>	<b>INTERMEDIATE FRENCH II.</b>	<b>5 hours</b>
	<i>Winter Quarter.</i>	
	Prerequisite: French 211. Reading of standard texts with stress on oral expression and comprehension.	
<b>301.</b>	<b>SURVEY OF FRENCH LITERATURE AND CULTURE I.</b>	<b>5 hours</b>
	An introduction to French civilization through the 18th Century. Provides an overview of the chief social, scientific, literary and artistic trends and of the most important figures and events of the period.	

302.	<b>SURVEY OF FRENCH LITERATURE AND CULTURE II.</b>	<b>5 hours</b>
	An introduction to French civilization in the 19th and 20th centuries. Provides an overview of the chief social, scientific, literary and artistic trends and of the most important figures and event of the period.	
315.	<b>ADVANCED CONVERSATION.</b>	<b>5 hours</b>
	Prerequisite: French 212. Conducted entirely in French to facilitate the development of conversational abilities.	
350.	<b>FRENCH PHONETICS.</b>	<b>5 hours</b>
	An intensive study of pronunciation building fluent expression.	
410, 411, 412.	<b>SELECTED READINGS IN FRENCH</b>	<b>2, 2, 2 hours</b>
	Prerequisite: Permission of Instructor.	
415.	<b>ADVANCED COMPOSITION AND SYNTAX.</b>	<b>5 hours</b>
	Prerequisite: French 212.	
417.	<b>SURVEY OF SEVENTEENTH CENTURY FRENCH LITERATURE.</b>	<b>5 hours</b>
	Prerequisite: French 212.	
418.	<b>SURVEY OF NINETEENTH CENTURY FRENCH LITERATURE.</b>	<b>5 hours</b>
	Prerequisite: French 212.	
419.	<b>CONTEMPORARY FRENCH LITERATURE.</b>	<b>5 hours</b>
	Prerequisite: French 212.	
495, 496, 497.	<b>STUDY ABROAD.</b>	<b>5, 5, 5 hours</b>
	The study of the French language and culture in a native environment. Designed especially for students in the Study Abroad Programs of the University System of Georgia.	

## COURSES IN GERMAN

101.	<b>ELEMENTARY GERMAN I.</b>	<b>5 hours</b>
	An introduction to the German language using the language laboratory and covering basic grammar and reading. Not credited for duplication of high school units.	
102.	<b>ELEMENTARY GERMAN II.</b>	<b>5 hours</b>
	Prerequisite: German 101. A continuation of Elementary German I. Not credited for duplication of high school units.	
211.	<b>INTERMEDIATE GERMAN I.</b>	<b>5 hours</b>
	<i>Spring Quarter.</i> Prerequisite: German 102 or two years of High School German. Review of grammar with continued conversation and reading.	

<b>212.</b>	<b>INTERMEDIATE GERMAN II.</b>	<b>5 hours</b>
	<i>Fall Quarter.</i>	
	Prerequisite: German 211. Reading of standard texts with stress on oral expression and comprehension.	
<b>301.</b>	<b>SURVEY OF GERMAN LITERATURE AND CULTURE I.</b>	<b>5 hours</b>
	Prerequisite: German 212 or permission of the Department. A general survey of German Literature through the classical period with lectures on German music, painting, architecture, and history.	
<b>302.</b>	<b>SURVEY OF GERMAN LITERATURE AND CULTURE II.</b>	<b>5 hours</b>
	Prerequisite: German 212 or permission of the Department. A general survey of German Literature of the Nineteenth Century with lectures on German music, painting, architecture, and history.	
<b>315.</b>	<b>ADVANCED CONVERSATION AND COMPOSITION.</b>	<b>5 hours</b>
	<i>Fall Quarter.</i>	
	Prerequisite: German 212. This course is taught in conjunction with German 212 to afford grammar review, but it requires additional composition and conversation on a more fluent level.	
<b>410, 411, 412.</b>	<b>SELECTED READINGS IN GERMAN.</b>	<b>2, 2, 2 hours</b>
	Prerequisite: Permission of Instructor.	
<b>495, 496, 497.</b>	<b>STUDY ABROAD.</b>	<b>5, 5, 5 hours</b>
	The study of the German language and culture in a native environment. Designed especially for students in the Study Abroad Programs of the University System of Georgia.	

## COURSES IN RUSSIAN

<b>301.</b>	<b>BASIC RUSSIAN.</b>	<b>5 hours</b>
	A rapid course in reading and basic conversation. Russian 301 is credited without completion of Russian 302, but it is a prerequisite to the second course.	
<b>302.</b>	<b>BASIC RUSSIAN.</b>	<b>5 hours</b>
	Prerequisite: Russian 301.	

## COURSES IN SPANISH

<b>101.</b>	<b>ELEMENTARY SPANISH I.</b>	<b>5 hours</b>
	An introduction to Spanish, with basic conversation, reading and grammar, and using the language laboratory. Not credited for duplication of high school units.	
<b>102.</b>	<b>ELEMENTARY SPANISH II.</b>	<b>5 hours</b>
	Prerequisite: Spanish 101. A continuation of Elementary Spanish I. Not credited for duplication of high school units.	
<b>211.</b>	<b>INTERMEDIATE SPANISH I.</b>	<b>5 hours</b>
	<i>Fall, Spring Quarters.</i>	
	Prerequisite: Spanish 102 or two years of high school Spanish. Review of grammar with continued conversation and reading.	

212.	<b>INTERMEDIATE SPANISH II.</b> <i>Winter Quarter.</i>	<b>5 hours</b>
	Prerequisite: Spanish 211. Reading of standard texts with stress on oral expression and comprehension.	
301.	<b>SURVEY OF SPANISH LITERATURE AND CULTURE I.</b>	<b>5 hours</b>
	Prerequisite: Spanish 212 or permission of the Department. A general survey of Spanish literature through the Eighteenth Century with lectures on Spanish history, art, and architecture.	
302.	<b>SURVEY OF SPANISH LITERATURE AND CULTURE II.</b>	<b>5 hours</b>
	Prerequisite: Spanish 212 or permission of the Department. A general survey of Nineteenth Century and Generation of 1898 literature with lectures on Spanish history, art, and architecture.	
303.	<b>PANORAMA OF LATIN-AMERICAN CULTURE AND LITERATURE.</b>	<b>5 hours</b>
	Prerequisite: Spanish 212 or permission of the Department. A study of the cultural development of Latin America through her literature, arts, and history from pre-Columbian times to the 20th century. (May not be taken in duplication of ML 303.)	
304.	<b>SURVEY OF SPANISH-AMERICAN LITERATURE AND CULTURE.</b>	<b>5 hours</b>
	Prerequisite: Spanish 212 or permission of the Department. A survey of Spanish-American literature from the Discovery to the present, augmented by lectures and outside readings on the arts and history.	
315.	<b>ADVANCED CONVERSATION.</b>	<b>5 hours</b>
	Prerequisite: Spanish 212. This course is taught in conjunction with Spanish 212 to afford grammar review, but it requires additional composition and conversation on a more fluent level.	
410, 411, 412.	<b>SELECTED READINGS IN SPANISH.</b>	<b>2, 2, 2 hours</b>
	Prerequisite: Permission of Instructor.	
495, 496, 497.	<b>STUDY ABROAD.</b>	<b>5, 5, 5 hours</b>
	The study of the Spanish language and culture in a native environment. Designed especially for students in the Study Abroad Programs of the University System of Georgia.	

# DEPARTMENT OF NURSING

## Margaret G. Opitz, Department Head

The Department of Nursing Program offers a program in basic nursing, leading to the Associate of Science in Nursing Degree. The purpose of the program is to prepare men and women for careers as Registered Nurses. The graduates of the program are eligible to take the National Council Licensure Examinations for Registered Nurses and to accept positions as appropriate to newly graduated nurses. The Program is approved by the Georgia Board of Nursing and accredited by the National League for Nursing.

The Program is designed to coordinate general academic and nursing courses. Students are admitted to the Nursing 103 course each year in the Fall Quarter. A minimum of six quarters is required to complete the Nursing Program. Nursing courses must be taken in sequence as indicated in the curriculum. Prior to admission, students may enroll in general academic courses during any quarter.

Because of the academically demanding program of studies in the Nursing curriculum, it is strongly recommended that students who anticipate enrolling in the Nursing Program complete several of the core curriculum courses prior to entry to the Nursing Program. Alternative plans for completing the nursing curriculum have been developed to meet varying needs of persons who wish to pursue the Nursing Program.

Academic and nursing courses are offered on the North Georgia campus. The clinical nursing experiences are selected by the nursing faculty at hospitals and other health agencies. Clinical facilities used include Dahlonega: Gold City Convalescent Center, Lumpkin County Health Department, Lumpkin County Hospital; Toccoa: Stephens County Hospital, Toccoa Clinic; Gainesville: Northeast Georgia Medical Center, Northeast Georgia Mental Health and Retardation Center, Hall County Health Department, Lanier Park Hospital, Alpine Center; Alto: Georgia Industrial Institute; and Atlanta: Georgia Retardation Center, Georgia Mental Health Institute, Crawford W. Long Memorial Hospital, and Northside Hospital. One week of clinical experience at Dwight D. Eisenhower Army Medical Center, Fort Gordon, Georgia will be required in Nursing 202. Nursing students are responsible for providing their own transportation to and from campus and the clinical agencies.

The cost of uniforms is approximately \$130 to \$150 excluding the cost of shoes, hose, scissors, and watch with second hand. Professional liability insurance is required. In addition, all nursing students must be prepared to pay for expenses incurred for learning experiences in off-campus clinical agencies. Standardized achievement tests will be administered at the completion of selected nursing courses and some related academic courses. Students will pay the costs of these tests.

## ADMISSION REQUIREMENTS

1. Each applicant seeking admission to the Associate of Science in Nursing Degree Program is required to be accepted as a regularly admitted student to North Georgia College. Additional requirements are:
  - A. Have a predicted freshman grade point average of 2.2 or higher.
  - B. Have a personal interview with a member of the Department of Nursing faculty.
  - C. A composite SAT score of 750 or higher.
2. Applicants who do not meet these requirements may see a member of the nursing faculty of counseling. If an applicant has a Scholastic Aptitude Test score of less than 750 and/or a Predicted Freshman Grade Point average of less than 2.2, the applicant must complete at least 15 credit hours in courses required in the nursing curriculum to be considered for admission. A minimum cumulative grade point average of 2.2 with no grades below 2.0 (C) is required. Applicants must continue to maintain this minimum average on all work attempted while awaiting admission to the Nursing Program.

## INFORMATION CONCERNING APPLICATION FOR ADMISSION

1. Applicants who have never been enrolled at North Georgia are to apply directly to the Office of Admissions for admission to North Georgia College. They must then apply to the Department of Nursing for admission to nursing.
2. Applicants who are currently enrolled in North Georgia College are to apply directly to the Department of Nursing for admission.
3. Applicants are advised to be prepared with a minimum of two units of science and one unit of mathematics at the high school level. Applicants should make application to both the College and the Department of Nursing **before January** of the year in which they wish to apply for admission to the Nursing Program.
4. Applicants are urged to take the Scholastic Aptitude Test early in the senior year of high school or as early in the year preceding their admission as possible. Test scores must be available before the applicant can be accepted for admission to either the College or the Nursing Program.
5. Enrollment in the nursing classes is limited.
6. After the applicant is accepted to the Nursing Program and has indicated by letter the intent to enroll, additional information and forms will be sent to the applicant concerning the ordering of uniforms, professional liability insurance, and health requirements.
7. Students from other nursing programs may be admitted to the Department of Nursing after meeting the requirements for a regularly admitted student to the College and the Department of Nursing. The applicant may request nursing placement examinations, which may include an evaluation of clinical performance. Placement in the nursing curriculum will be determined by the Department of Nursing faculty.

## ACADEMIC STANDARDS FOR PROGRESSION

A student must meet the following requirements in order to progress in the Nursing Program:

1. Maintain a grade point of 2.0 (C) or higher in each nursing course and Biology 250, 251, 280, and Physics 101 before proceeding to the next nursing course.
2. Repeat no more than one nursing course in which a grade of D, F or WF has been earned.
3. Maintain satisfactory performances in the clinical areas. An unsatisfactory evaluation in the nursing clinical laboratory means an automatic grade of 0.0 (F) in the course grade.
4. Maintain an overall grade point average of 2.0 (C) or higher in all courses required in the curriculum of the Associate of Science in Nursing Program.
5. Complete all components of the Regents Test before enrollment in Nursing 212.

NOTE: Students who withdraw from the Nursing Program may reapply and may be readmitted to the Nursing Program upon recommendation of the faculty, Department of Nursing.

## ASSOCIATE OF SCIENCE DEGREE IN NURSING

	HOURS CREDIT
<b>GENERAL EDUCATION REQUIREMENTS</b>	
English 101, 102	5, 5
Psychology 101	5
Sociology 100	5
Political Science 101	5
Biology 250, 251, 280	5, 5, 5
Physics 101	5
History 100	5
<b>COURSES IN NURSING SCIENCE*</b>	
Nursing 102, 106, 202	6, 7, 8
Nursing 205, 209, 212, 225, 226	8, 8, 10, 2, 1
<b>ELECTIVES - Nursing 230a, b, c, d, e, f, g</b>	<b>1, 1, 1, 1, 1, 1, 1</b>
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENTS</b>	
<b>U.S. AND GEORGIA HISTORY REQUIREMENTS</b>	
<b>REGENTS TESTING PROGRAM IN READING AND COMPOSITION</b>	

\*These courses are subject to change.

## COURSES IN NURSING

**103. NURSING I. FUNDAMENTALS OF NURSING. 6 hours**  
 Prerequisites or corequisites: Biology 250, Psychology 101. A course designed as an introduction to fundamental principles which meet the nursing needs of clients. Uses communication, nursing process, and selected cognitive, effective and psychomotor skills in caring for an individual client. Four lectures and two, three-hour laboratory periods per week.

**106. NURSING II. INTRODUCTION TO MEDICAL-SURGICAL NURSING. 7 hours**  
 Prerequisites: Nursing 103, Psychology 101, and Biology 250. Prerequisite/Co-requisites: Biology 251 and English 101. A course designed to introduce the student to scientific concepts and principles which are basic to nursing care of persons with common medical or surgical problems. Involves application of the components of the nursing process in caring for one or two patients. Four lectures and two, 4½ hour laboratory periods per week.

**202. NURSING IV. PSYCHIATRIC NURSING IN THE HOSPITAL AND COMMUNITY. 8 hours**  
 Prerequisite: Nursing 106, English 102, Biology 280 and/or Physics, 101. A study of the utilization of the nursing process in the care of persons with emotional problems. Emphasis is placed on the human dimension in psychiatric nursing as the student is involved in delivery of mental health services in the hospital and community. Four lectures and two, six-hour laboratory periods per week.

**205.** **NURSING V. FAMILY NURSING.** **8 hours**  
Prerequisite: Nursing 106, English 102, Biology 280, and/or Physics 101. The emphasis is on pregnancy and childbirth as a normal family-centered activity. The role of the nurse in meeting the needs of the family during the reproductive cycle are examined and practiced in hospital settings, physicians' offices, and appropriate community agencies. The course includes a brief study of disorders of the newborn and principles of growth and development through age two years. Four lectures and two, six-hour laboratory periods per week.

**209.** **NURSING III. MEDICAL-SURGICAL NURSING.** **8 hours**  
Prerequisite/Corequisite: Nursing 106, English 102, Biology 280, and/or Physics 101. A course designed to place emphasis on the theory and application of the nursing process in caring for clients and families with various medical-surgical problems in a variety of settings. Four lectures and two, six-hour laboratory periods per week.

**212.** **NURSING VI. ADVANCED MEDICAL-SURGICAL NURSING.** **10 hours**  
Prerequisite: Nursing 202, 205, 209, Physics 101, and successful completion of Regents Test. A course designed to place emphasis on the theory and application of the nursing process in caring for groups of clients of all maturational levels with complex nursing problems. Involves the application of organizational skills in providing nursing care. Five lectures and two, eight-hour laboratory periods per week.

**225.** **NURSING VII. CONTEMPORARY NURSING I.** **2 hours**  
Prerequisite: Nursing 106. A study of the history, trends and dimensions of nursing. Emphasis is placed on assisting the student in making the transition from student to graduate. Two lectures or one lecture and one, three-hour laboratory period per week.

**226.** **NURSING VIII. CONTEMPORARY NURSING II.** **1 hour**  
Prerequisite: Nursing 225. A study of the roles of the registered nurse in contemporary society. Explores current trends in nursing practice and education, the legal aspects of nursing and nursing organizations. One lecture or one, three-hour laboratory period per week.

**230a,b,c,d,e,f,g.** **NURSING SEMINARS.** **1 hour**  
Prerequisite: Permission of faculty. Offered on a voluntary basis to qualified students. Selected topics relating to current issues in nursing will be pursued. These courses may be repeated for credit.

# DEPARTMENT OF PHYSICAL EDUCATION, HEALTH AND RECREATION

**William E. Ensley, Department Head**

The College considers physical fitness vital to a completely satisfactory college life. Provisions are made to include the maximum number of students in the maximum number of activities throughout the entire year.

The basic P.E. program calls for two scheduled periods a week for all freshmen and sophomore students for a total of 6 quarter hours. All work is supervised by the Head of the Department of Physical Education and his assistants.

## **MAJOR IN PHYSICAL EDUCATION WITH TEACHER CERTIFICATION**

### **CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDITS</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101	5
English 203, 204, 205, 206, 207	5	Sciences:	15
Fine Arts 252, Music 205, Art 150, Art 151, or any appropriate course in the Modern Languages	5	10 hour sequence in 100 or 200 level science courses and five additional hours in any 100 or 200 level course in biology, chemistry, physics or math	

<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Physical Education 250 or Biology 250,	
History 100	5	or 310, Education 204, Speech 211	
Psychology 101	5	or 213, Physical Education 215, 230 and	
A 100 or 200 level course in the Social Sciences	5	five hours from Psychology 205, 252 or 258 or Recreation 220	30

### **PHYSICAL EDUCATION MAJOR**

Activity courses: P.E. 311 (gymnastics) and 3 courses from P.E. 205, 300, 301, 307, 314, 317.

8

Coaching Courses: P.E. 323 and 2 courses from P.E. 320, 321, 322  
325, or 327.

9

Other Required Courses: P.E. 390, 405, 420, 440a, 440b, 450,  
460, and 8 hours in Recreation, or other electives.

35

No grade below C will be acceptable on Physical Education courses presented  
to fulfill the requirements for a physical education major.

### **OTHER REQUIREMENTS:**

Education 305, 311c, 421c, 431c  
Special Education 360  
Speech 211 or 213

30

5

5

\*All bachelor degree programs in teacher education leading to state certification are also subject to degree requirements listed in the Department of Education section of this catalog.

**ELECTIVES** (to bring the total number of credit hours to at least 185 exclusive of Physical Education)

**SKILL TESTING REQUIREMENTS**—All physical education majors are expected to meet and maintain certain skill level requirements as periodically administered by the Department of Physical Education.

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS**

6

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S. AND GEORGIA HISTORY REQUIREMENT**

**SPECIAL NOTE:** Physical Education Majors Club—All physical education majors are expected to be members of the Physical Education Majors Club and adhere to its policies for the upgrading of the profession.

## **MAJOR IN PHYSICAL EDUCATION WITHOUT TEACHER CERTIFICATION**

### **CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDITS</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101	5
English 203, 204, 205, 206, 207	5	Sciences: 10 hour sequence in 100 or 200 level science courses and five additional hours in any 100 or 200 level courses in biology, chemistry, physics or math.	15
Fine Arts 252, Music 205, Art 150, Art 151, or any appropriate course in the Modern Languages.	5		

<b>AREA III—SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Physical Education 250 or Biology 250, or 310, Sociology 100 or	
History 100	5	Education 204, Speech 211 or 213,	
Psychology 101	5	Physical Education 215, Physical	
A 100 or 200 level course in the Social Sciences	5	Education 230, and Recreation 220	30

### **PHYSICAL EDUCATION MAJOR WITHOUT TEACHER CERTIFICATION**

Activity courses: P.E. 311 (gymnastics) and 3 courses from P.E. 205, 300, 301, 307, 314, 317. 8

Coaching courses: P.E. 323 and 2 courses from P.E. 320, 321, 322, 325, or 327. 9

Other Required Courses: P.E. 390, 405, 420, 440a, 440b, 450, 460, and 8 hours in Recreation, or other electives. 35

No grade below C will be acceptable in Physical Education courses presented to fulfill the requirements for a physical education major.

### **OTHER REQUIREMENTS**

Business Administration 221, 231, 361

15

Psychology 320

5

**ELECTIVES** (to bring the total number of credit hours to at least 185 exclusive of basic Physical Education)

**SKILL TESTING REQUIREMENTS**—All physical education majors are expected to meet and maintain certain skill level requirements as periodically administered by the Department of Physical Education.

MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)	18
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BASIC PHYSICAL EDUCATION REQUIREMENTS	6
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U.S. AND GEORGIA CONSTITUTION REQUIREMENT

U.S. AND GEORGIA HISTORY REQUIREMENT

**SPECIAL NOTE:** Physical Education Major Club—All physical education majors are expected to be members of the Physical Education Majors Club and adhere to its policies for the upgrading of the profession.

### **MAJOR IN RECREATION**

#### **CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101 or 113H	5
English 203, 204, 205, 206, 207	5	Biology 101-102, 103 or	15
Fine Arts 252, Music 205	5	Physical Science 115, 116 or Astronomy 104	

<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Sociology 201 or 205	5
History 100	5	Psychology 101	5
Sociology 100	5	Speech 211 or 213	5
Business Admin. 221	5	Recreation 203 Art 107, 331 or 332 Business Administration 231	5

#### **RECREATION MAJOR**

Recreation courses: 118, 220, 383, 384, 385, 386, 387, 388, 410, 430, 434a, 434b, 434c, 485.	60
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No grade below C will be acceptable on Recreation courses taken to fulfill Recreation Major requirements.

#### **P.E. COURSES:**

Physical Education 230	5
Physical Education 314	2
Physical Education 390	5
Physical Education 420	5
Any 200 or 300 level Physical Education activity or coaching courses.	5

#### **OTHER REQUIRED COURSES:**

Business Administration 361	5
Psychology 315, or 320	5

**ELECTIVES** (to bring the total number of credit hours to at least 185 exclusive of Physical Education)

## North Georgia College

MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)	18
BASIC PHYSICAL EDUCATION REQUIREMENTS	6
U.S. AND GEORGIA CONSTITUTION REQUIREMENT	
U.S. AND GEORGIA HISTORY REQUIREMENT	

### MINOR IN SOCIAL RECREATION

A minor in Social Recreation shall consist of P.E. 314, 390, Recreation 118, 203, 383, 384, 387, and 388.

### MINOR IN OUTDOOR RECREATION

A minor in Outdoor Recreation shall consist of P.E. 390, Recreation 203, 384, 386, 387, 388, and 430.

## COURSES IN PHYSICAL EDUCATION

### REQUIRED PHYSICAL EDUCATION FOR WOMEN AND MEN

All students are required to take six different courses in basic physical education as a part of the requirements for graduation. Under this requirement, each student is required to take P.E. 103 (Personal Fitness) and P.E. 104 or 204 (Swimming) and four other electives.

#### BASIC PHYSICAL EDUCATION COURSES

103 Personal Fitness	118 Golf
104 Swimming	120 Weight Training
105 Wrestling	*121 Snow Skiing
106 Volleyball	*122 Water Skiing
107 Tennis	*123 Fundamentals of Sailing
108 Soccer	*124 White Water Canoeing and Rafting
109 Bowling	125 Casting and Angling
110 Fencing	*126 Back Packing
111 Tumbling	127 Yoga
112 Basketball	129 Adapted Physical Education
113 Folk and Square Dancing	204 Senior Life Saving
114 Social Dance	210 Intermediate Fencing
115 Badminton	213 Clogging
116 Softball	214 Aerobic Dancing
117 Archery	

\* May require additional fee.

205. **WATER SAFETY INSTRUCTION.** 2 hours  
Prerequisite: Current Advanced Life Saving Certificate. A course designed to improve the physical education major's background in teaching water safety.

215. **HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION.** 5 hours  
This is an orientation course for physical education majors and is divided into two parts. The first part deals with the history of physical education; the second part deals primarily with the basic principles of modern physical education, stressing aims and objectives with special reference to the value of physical education in the current economic and social life of the nation.

230.	<b>FIRST AID AND SAFETY IN PHYSICAL EDUCATION AND ATHLETICS.</b>	<b>5 hours</b>
	Lectures and laboratory practices are used to cover the phases of first aid pertaining particularly to physical education and athletics.	
250.	<b>BASIC HUMAN ANATOMY.</b>	<b>5 hours</b>
	A study of the basic structures and systems of human body.	
300.	<b>GOLF/SOFTBALL.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's background in teaching activity oriented programs.	
301.	<b>WEIGHT TRAINING/BODY MECHANICS.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's background in developmental programs of muscular strength, muscular endurance, and injury prevention.	
307.	<b>TENNIS/BADMINTON.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's background in teaching activity oriented programs.	
309.	<b>LIFE AND ACTIVITY.</b>	<b>1 hour</b>
	Knowledges, attitudes and understandings of how physical acitivity shall be integrated and correlated into the life style of an individual.	
311.	<b>GYMNASTICS/TUMBLING/AQUATICS.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's knowledge, understanding and teaching ability of all phases of gymnastics and tumbling for all age groups.	
314.	<b>DANCE—FOLK, SQUARE, MODERN, AND BALLROOM.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's background in teaching activity oriented programs.	
317.	<b>ARCHERY/VOLLEYBALL.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's background in teaching activity oriented programs.	
318.	<b>FIELD HOCKEY/SOCCER/SPEEDBALL.</b>	<b>2 hours</b>
	A course designed to improve the physical education major's background in teaching activity oriented programs.	
320m.	<b>WRESTLING.</b>	<b>3 hours</b>
	This course is designed to prepare every male physical education major in the analysis and practice of the fundamental skills and teaching techniques of interscholastic and collegiate wrestling.	
321.	<b>FOOTBALL.</b>	<b>3 hours</b>
	This course is designed to acquaint every male physical education major with a greater understanding of the total game of football through the use of lectures, practical-on-the-field experiences, films, and guest speakers.	
322w.	<b>BASKETBALL.</b>	<b>3 hours</b>
	A study and practice of the fundamental skills and teaching techniques in basketball.	

322m.	<b>BASKETBALL.</b> Lectures and demonstrations will be given on the theory and practice of coaching basketball. Each student will have experience playing each position on the team under actual game conditions. Practical experience will be obtained through directing this phase of the intramural sports program.	3 hours
323.	<b>ATHLETIC TRAINING TECHNIQUES.</b> A study of theories and practices for the future coach, and the study of treatment and rehabilitation of injuries, especially injuries resulting from athletics and physical training activities.	3 hours
325.	<b>BASEBALL AND TRACK.</b> Lectures and demonstrations on the theory and practice of coaching baseball and track. The first half of the quarter will be devoted to baseball and the remainder to track.	3 hours
327.	<b>TENNIS.</b> Prerequisite: P.E. 307. A study and practice of the fundamental skills and teaching techniques in tennis. Three hours per week of lecture and laboratory.	3 hours
390.	<b>HEALTH EDUCATION.</b> A study of the physical and mental health problems of society as they relate to man and his confrontations with mental health, alcohol, disease, drugs, marriage, nutrition, physical fitness and sex.	5 hours
400.	<b>SEX EDUCATION.</b> A study of the attitudes and standards of the physical, emotional and behavioral aspects of sex.	5 hours
405.	<b>ADMINISTRATION AND METHODS.</b> Prerequisite: P.E. 215. A study of the administrative processes and methodology needed to develop a thorough understanding of desirable standards and program implementation in physical education.	5 hours
420.	<b>ELEMENTARY AND SECONDARY SCHOOL PHYSICAL EDUCATION.</b> A study and practicum in the objectives, needs, methods, and materials of elementary and secondary school children involved in a modern day physical education program.	5 hours
440 a & b.	<b>PHYSICAL EDUCATION PRACTICUM.</b> The student is assigned to a specific instructional class or given an assignment within the school or community setting. The purpose of this assignment is to enhance the professional growth of the physical education major.	2 hours
450.	<b>EXERCISE PHYSIOLOGY.</b> Prerequisite: P.E. 250 or Biology 250. A combined study of the structure and function of the human body. Lecture and laboratory experience includes the study of the minute and gross anatomical and physiological structures of man as it relates to man living in the physical world of muscular activity.	5 hours
460.	<b>KINESIOLOGY AND THERAPEUTICS.</b> Prerequisite: P.E. 250 or Biology 250. A study of the movements of the human body and their working relationship in normal and atypical individuals.	5 hours

**480. INDEPENDENT STUDY.** 5 hours  
 Practical study and/or experience in the area of student's major interest under the supervision of the student's advisor and as approved by the student's advisor and the department chairman.

## COURSES IN RECREATION

**118. SOCIAL RECREATION.** 3 hours  
 Methods and materials in social recreation. Experience will be given in group planning and conducting social activities. Some laboratory experience will be required.

**203. INTRODUCTION TO RECREATION AND PARKS.** 5 hours  
 Course covers history, trends, philosophy, social role of recreation in modern society, and professional opportunities in the field of recreation.

**220. SPORTS FOR RECREATION.** 5 hours  
 A course designed to familiarize the student with the type of sports that can be played throughout life. Includes both individual and team sports that can be played during leisure hours.

**383. RECREATION FOR SPECIAL GROUPS.** 3 hours  
 A course designed to give the student an understanding of the leisure needs of special groups in today's society, including therapeutic, youthful and adult offenders, alcoholic and drug addicts, socially disadvantaged, and recreation for the aging.

**384. COMMUNITY RECREATION.** 3 hours  
 A course designed to familiarize the students with the wide variety of local agencies and settings which provide recreation services in a community including industrial, commercial, school, college unions, youth agencies, armed forces, religious organizations, and the family.

**385. PROBLEMS IN RECREATION.** 3 hours  
 The study of a variety of problems that the student may encounter when conducting recreation programs or in recreation and park administration.

**386. CAMP ADMINISTRATION, OPERATION, AND COUNSELING.** 5 hours  
 Course includes organization, administration, staffing, food service, and program planning for different types of camps. Includes techniques of camp leadership and camp counseling.

**387. ORGANIZATION AND ADMINISTRATION OF RECREATION.** 5 hours  
 A study of the organization and administration of various types of recreation departments and agencies. Special emphasis is given to legal provisions, organization, personnel, supervision, training, office management, financial management, budgeting, and public relations.

**388. PROGRAM PLANNING.** 5 hours  
 Course provides the student with knowledge of the organizational procedures involved in establishing and operating a comprehensive, full-time recreation program with emphasis on content and techniques of administration of programs. Consideration will be given to needs, facilities, supplies, equipment, activities, volunteers, age groups, program evaluation and recreation surveys.

**410. AREA AND FACILITY MANAGEMENT. 5 hours**  
Course includes operation, maintenance, and planning of recreation areas and facilities. Consideration will be given to routine maintenance, construction, maintenance workers, contract work, master planning, space and facility standards, planning recreation areas and facilities, site selection, and comprehensive recreational surveys.

**430. OUTDOOR RECREATION. 5 hours**  
Course covers the organization and administration of outdoor recreation in local, county, and federal agencies with emphasis on resources, economic impact, need, supply and demand, education and trends.

**434a,b,c. RECREATION PRACTICUM. 1, 1, 1, hour**  
Prerequisite: Must have completed at least three quarters as a Recreation Major. The student is assigned to actual work experiences in three individual recreation agencies. Course is designed to link the relationship of theory to the practical aspects of recreation.

**438. INDEPENDENT STUDY. 5 hours**  
A course designed to allow students to individually pursue topics relating to recreation under the guidance of a faculty member.

**485. INTERNSHIP IN RECREATION AND PARKS. 15 hours**  
Prerequisite: Senior Class standing. The recreation major spends an entire quarter working full-time in a cooperating agency with a competent, supervising recreation professional.

# DEPARTMENT OF PHYSICS

**Donald E. Kinkaid, Department Head**

## MAJOR IN PHYSICS

### CORE CURRICULUM REQUIREMENTS

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 119, 120, 240	10
Courses from English 203, 204, 205, 206, 207	5-10	Physics 223, 224, 225	10
Fine Arts 252, French 101, German 101 if only one of above is selected	0-5		
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Physics 230, 240	10
100-200 level courses in History	5-15	Mathematics 245, 246	10
A course from Anthropology 100, Business Admin. 221, 222, Psychology 101, 205, or Sociology 100,	0-10	Chemistry 121, 122	10
<b>PHYSICS MAJOR</b>			
Physics 230*, 240*, 310*, Labs 375*, 376*, 377*, 475, 476, 477, 320*, 340*, 345, 350, 400, 410*, 420, 440, 450, 480, 490, 491, 492			40-78
<b>OTHER REQUIREMENTS:</b>			
Physics 224 or 225			5
Mathematics 300			5
Foreign Language (any acceptable sequence)			10
Computer Science 120, 225			4
<b>COURSES IN THE MINOR</b>			
The traditional minor for a Physics major is Mathematics. However, a minor field of concentration can be elected by the student with the consent of both the major and minor professors.			minimum—20
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			18
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			6
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			

## MAJOR IN PHYSICS—SECONDARY EDUCATION

(For Core Curriculum Requirements see above)

### COURSES IN THE MAJOR

Physics 310, 320, 340, 375, 376, 377, 410, plus seven hours of approved  
electives in Physics.

30

\*Required Courses

**OTHER REQUIREMENTS**

Biology 101, 102, or Biology 101, 103	10
Mathematics 245, 246 and 300	15
Physical Education 309, 390	6
Special Education 360	5
Computer Science 120, 225	4

**PROFESSIONAL EDUCATION SEQUENCE**

Education 204, 305, 311c, 421c and 431c	35
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**ELECTIVES (to bring the total number of credit hours to at least  
185 exclusive of Physical Education)**

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)** 18

**BASIC PHYSICAL EDUCATION REQUIREMENTS** 6

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S. AND GEORGIA HISTORY REQUIREMENT**

**DUAL DEGREE PROGRAM—PHYSICS**

North Georgia College now offers two possibilities for dual degrees with institutions with engineering programs. The student may choose between Georgia Institute of Technology in Atlanta and Clemson University in Clemson, South Carolina. These programs are offered by North Georgia College specifically to provide students with the opportunity to develop a strong liberal arts background before completing academic coursework in engineering at another institution.

The average student will attend North Georgia for approximately three years and then either Clemson University or Georgia Tech for an additional two years. Upon completion of study in this program, the successful student will receive a bachelor's degree in physics from North Georgia College and a bachelor's degree in engineering in any one of a number of fields from Georgia Tech or Clemson University.

The following complete listing of fields of study are available for students following the dual degree program at North Georgia College:

**Clemson University**

**Bachelor of:**

Agricultural Engineering  
Ceramic Engineering  
Civil Engineering  
Computer Engineering  
Electrical Engineering  
Mechanical Engineering  
Engineering Analysis

**Georgia Tech**

**Bachelor of:**

Aerospace Engineering  
Ceramic Engineering  
Chemical Engineering  
Civil Engineering  
Electrical Engineering  
Engineering Economic Systems  
Engineering Science  
Industrial Engineering  
Mechanical Engineering  
Nuclear Engineering  
Textile Engineering  
Science in Textiles  
Science In Health Systems

**DUAL DEGREE REQUIREMENTS:**

1. Complete 140 quarter hours at North Georgia College as outlined below (exclusive of basic military for cadets and P.E.)
2. A recommendation from the Dual Degree Coordinator of North Georgia College.

3. A college grade point average and specified test results which would indicate that the student could satisfactorily complete the degree requirements at Georgia Tech and Clemson.
4. Complete a study program which equals the number of credit hours required of normal juniors and seniors enrolled in the standard curriculum for the degree being sought.
5. If the official study program at Georgia Tech includes electives and the candidate has excessive hours at North Georgia College, he may petition that these excess hours be used as transfer credits to Georgia Tech. Such transfer credit shall not amount to more than one half of the official study program at Georgia Tech.

### **CORE CURRICULUM REQUIREMENTS — DUAL DEGREE PROGRAM**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCES</b>	<b>HOURS CREDIT</b>
English 101, 102	1-	Mathematics 119, 120	10
English 203, 204, 205, 206, 207	10	Sciences: Physics 223, 224, 225	10
<b>AREA III—SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Chemistry 121, 122, Phys. 230	15
Course at 100-200 level in History	5-15	Mathematics 245, 246, 247	15
Courses from Psychology 101, 105, Sociology 100, Anthropology 100, or Business Admin. 221, 222	0-10		

**OTHER REQUIREMENTS:** Physics 224 or 225

### **MINOR IN PHYSICS**

Physics 223, 224, 225, plus ten additional hours as  
approved by the Department Head 25

### **MINOR IN COMPUTER TECHNOLOGY**

A minor in Computer Technology is obtained by completing one of two tracks. Those students following the Business track take CPSC 120, 220, 230, 235; BADM 251; PHYS 345 and 350. Those students following the Science track take CPSC 120, 220, 225, 230, and PHYS 340, 345, 350.

\*History 100 requirement may be satisfied by successfully passing an examination on United States and Georgia history administered by the Social Science Department.

\*\*The 140 hours at North Georgia College must include Physics 223, 224, 225; Math 245, 246, 247, 300; Physics 230, 240, 310, 320, 375, 376, 377; and Military 300, 301, 302 for cadets.

# COURSES IN PHYSICS

101.	<b>HEALTH PHYSICS I.</b>	<b>5 hours</b>
	Four lecture/demonstration periods and two hours of laboratory per week. The course includes a study of mechanics, electricity, and electronics, behavior of fluids, heat and thermometry, radiation, medical acoustics, medical optics, medical instrumentation, and safety.	
102.	<b>HEALTH PHYSICS II.</b>	<b>5 hours</b>
	<i>Taught on demand.</i> Prerequisite: Physics 101. A continuation of the nature of Physics 101 for those who wish to carry the same type of survey work further into a more complete treatment of electricity, electronics, and radiological health physics.	
223.	<b>MECHANICS.</b>	<b>5 hours</b>
	<i>Fall and Winter Quarters.</i> A study of the properties of matter, and the mechanics of solids and fluids. The numerous problems solved are selected to emphasize fundamental principles as well as to promote skill in numerical solutions. The laboratory work is designed to clarify physical concepts, develop skills in making precise measurements, and proficiency in the manipulation of apparatus. Four lecture-recitations and one, two-hour laboratory per week.	
224.	<b>ELECTRICITY.</b>	<b>5 hours</b>
	<i>Winter Quarter.</i> Prerequisite: Physics 223. This course is a continuation of general physics. It deals with magnetism and static and current electricity. Four lecture-demonstrations and one, two-hour laboratory period per week.	
225.	<b>HEAT, LIGHT, AND SOUND</b>	<b>5 hours</b>
	<i>Spring Quarter.</i> Prerequisite: 223. This course is a continuation of general physics. It deals with wave theories generally, and heat, light, and sound specifically. Four lecture-recitations and one, two-hour laboratory period per week.	
230.	<b>MECHANICS—INTERMEDIATE.</b>	<b>5 hours</b>
	<i>Fall Quarter.</i> Prerequisite: Physics 223. May be taken concurrently with Mathematics 245. This course deals with the effects of forces on rigid bodies in equilibrium and on objects in motion. Emphasis is placed on solution of problems.	
240.	<b>ELECTRICITY AND MAGNETISM — INTERMEDIATE.</b>	<b>5 hours</b>
	<i>Winter Quarter.</i> Prerequisite: Physics 224, 230. May be taken concurrently with Mathematics 246. This course deals with the interaction of charged particles through electric and magnetic fields. Conservation principles presented in Physics 230 are emphasized.	
310.	<b>MODERN PHYSICS.</b>	<b>5 hours</b>
	<i>Spring Quarter</i> Prerequisites: Physics 240 and Math 225, 246. An introduction to modern physics, dealing with the elemental nature of matter and radiation, ionization of gases, the quantum theory, and current developments in atomic physics.	

320.	<b>MECHANICS—ANALYTICAL.</b>	<b>5 hours</b>
	Prerequisite: Physics 230. May be taken concurrently with Math 300. Kinematics, using vector analysis, dynamics of particles, rotation and planetary motion, the linear harmonic oscillator, studies of energy, momentum and impact, approximation and perturbation methods, plus an introduction to the most general methods of solving dynamical problems.	
340.	<b>INTRODUCTION TO ELECTRONICS I.</b>	<b>5 hours</b>
	Prerequisites: Physics 224. A study of the elementary principles of electronics. The laboratory work consists of the study of analogue electronic circuits and the use of testing equipment. Four lecture-recitations and one two-hour laboratory per week.	
345.	<b>DIGITAL ELECTRONICS.</b>	<b>5 hours</b>
	Prerequisites: Physics 224. An introduction to Digital Electronic Technology. Topics to be included are number systems, Boolean algebra, logic families in use, comparisons of the logic, the logic families, and logic circuit design. The laboratory exercises will be selected to complement the classroom lectures. Four one-hour lectures and one two-hour laboratory per week.	
350.	<b>COMPUTER INTERFACING.</b>	<b>5 hours</b>
	Prerequisite: Physics 224, Physics 376. This course will demonstrate some of the possible applications of micro computing to scientific data acquisition, display and processing, in Basic or machine language or a hybrid combination of the two. The students will be provided with hands-on experience with the different types of hardware and interfaces usually found in micro or mini computer systems.	
375, 376, 377.	<b>PHYSICS LABORATORY I.</b>	<b>1, 1, 1 hour</b>
	<i>Fall, Winter, and Spring Quarters.</i> Required of all students majoring in physics. Selected experiments from the various branches of physics, clarifying and expanding the work of the classroom, and developing good laboratory techniques. The evaluation and the interpretation of experimental data.	
400.	<b>THERMODYNAMICS.</b>	<b>5 hours</b>
	Prerequisites: Physics 225 and Math 300. A study of temperature and its measurement, calorimetry, and some topics from thermodynamics and statistical mechanics. Five lecture-recitations per week.	
410.	<b>ELECTRICITY AND MAGNETISM I.</b>	<b>5 hours</b>
	Prerequisite: Physics 240. With consent of Instructor, may be taken concurrently with Math 300. A course considering in a more advanced manner the topics of electrostatics, magnetostatics, electrolysis, basic circuit theory, and related topics.	
420.	<b>ELECTRICITY AND MAGNETISM II.</b>	<b>5 hours</b>
	Prerequisite: Physics 410. This course is a continuation of Physics 410 with emphasis on electrodynamics, alternating current theory, transmission lines, filters, electromagnetic wave theory and related topics.	

440.	<b>NUCLEAR PHYSICS.</b> <i>Taught on demand.</i> Prerequisite: Physics 320 or 310. A study of natural radioactivity, interaction of radiation with matter, radiation measuring instruments and the detection of nuclear particles, plus a survey of the current state of experimental and theoretical nuclear physics.	5 hours
450.	<b>QUANTUM MECHANICS.</b> Prerequisites: Physics 310 and Math 300. Introduction to the quantum mechanics of one-dimensional systems. An introduction to Schroedinger's equation with emphasis being placed on solutions for one-electron atoms.	5 hours
460.	<b>TEACHING ELEMENTARY SCHOOL SCIENCE.</b> An overview of the recently developed methods and materials in the teaching of elementary school science. Emphasis is given to improving the conceptual level in science, to scientific inquiry and the teacher-pupil involvement in the processes of science.	5 hours
475, 476, 477.	<b>PHYSICS Laboratory II.</b> A continuation of Physics Laboratory I.	1, 1, 1 hour
490, 491, 492.	<b>INTRODUCTION TO RESEARCH METHODS.</b> This course is designed to prepare the student for employment as a research assistant, or engineer, upon completion of the B.S. Degree. It will also orient the student toward the research work required for an advanced degree. It will consist of two or three lectures and demonstrations per week with laboratory work. The lectures will include the various research techniques, theory of errors, analysis of experimental data, use of library sources, and report writing. The student will be required to use library sources and to perform various experiments. The student will also be required to report his work by class talks and written reports.	5, 5, 5 hours.

## COURSES IN ASTRONOMY

104.	<b>SOLAR SYSTEM ASTRONOMY.</b> First course in the 104-105 sequence. Includes four lecture sessions and one two-hour laboratory per week. Slides, films, classroom demonstrations, and planetarium shows aid in the discussion of topics which include the planets, the nature of light, telescopes, and the evolution of Man's concept of the Solar System. Laboratory exercises will involve the student in observing stars and planets with the three to sixteen inch telescopes of the college observatory.	5 hours
105.	<b>STELLAR ASTRONOMY.</b> Prerequisite: Astronomy 104. Continuation of the 104-105 sequence. Includes four lecture sessions and one two-hour laboratory per week. Topics include star systems, stellar evolution, galaxies, cosmology, and the possibility of the existence of life elsewhere in the universe. Slides, films, classroom demonstrations, and planetarium shows are used throughout to aid in classroom discussions. Laboratory exercises emphasize student observations of star systems, galaxies, and planets. Telescopes of from three to sixteen inches in size will be used at the college observatory.	5 hours

360.

**CELESTIAL MECHANICS.****5 hours**

Prerequisite: Physics 223. The study of how the laws of Newtonian mechanics can be used to determine the characteristics of the orbits of planets, comets, and asteroids. Data, either supplied to the student or obtained by himself at the telescope, will be used to predict the orbital elements of objects in the solar system. The student will learn how to collect and interpret data in the context of the classical laws of gravity and motion and how these laws apply to the motions of the members of the solar system.

**PHYSICAL SCIENCE**

115-116

**UNDERSTANDING THE PHYSICAL WORLD.****5, 5, hours**

A nonquantitative two course sequence designed to promote an understanding of the physical world for the non-science major. Natural phenomena as well as the effects of man's technology on the physical environment will be brought into focus by means of numerous demonstrations, laboratory exercises, and field trips. Relevant topics will be selected from Astronomy, Chemistry, Environmental Science, Geology, and Physics. Credit will be extended for either course separately or for both as a two quarter laboratory sequence.

# DEPARTMENT OF PSYCHOLOGY

**James C. Parks, Department Head**

## MAJOR IN PSYCHOLOGY

### CORE CURRICULUM REQUIREMENTS

<b>AREA—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 240	10
Courses from English 203, 204 205, 206, 207	5-10	Biology 101-102	10
Fine Arts 252, if only one of the above is selected, or any appropriate course in the Modern Languages	5		
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Psychology 101, 205	10
100-200 level courses in History	5-15	Courses from Humanities, Mathematics, Natural Sciences, or Social Sciences	
Courses from Anthropology 100, Business Admin. 221, 222 or Sociology 100	0-10	at the 100-200 level	20

### **GENERAL REQUIREMENTS:**

- Psy. 300A—Advanced Statistics for the Behavioral Sciences
- Psy 300B—Experimental Psychology
- Psy 309—History and Systems

### **CONCENTRATIONS: (Choose One)**

#### **APPLIED GENERAL**

- Psy 315—Social Psychology
- Psy 331—Psychology of Learning and Memory
- Psy 335—Behavior Modification
- Psy 362—Industrial Psychology
- Psy 419—Measurement of Individual Differences
- Psy 433—Individual Psychological Testing: Wechsler & Stanford-Binet
- Psy 353—Survey of Abnormal Psychology I

#### **BASIC GENERAL**

- Psy 315—Social Psychology
- Psy 331—Psychology of Learning and Memory
- Psy 343—Theories of Personality
- Psy 362—Industrial Psychology
- Psy 419—Measurement of Individual Differences
- Psy 423—Physiological Psychology
- Psy 353—Survey of Abnormal Psychology I

**PRE-COUNSELING**

PSY 331—Psychology of Learning and Memory  
 PSY 343—Theories of Personality  
 PSY 353—Survey of Abnormal Psychology I  
 PSY 419—Measurement of Individual Differences  
 PSY 433—Individual Intelligence Testing: Wechsler and Stanford-Binet Scales  
 PSY 463—Psychological Counseling and Psychotherapy  
 PSY 465—Group Dynamics  
 (Recommended PSY 354, Advanced Abnormal Psychology II, and PSY 335, Behavior Modification.)

**PRE-INDUSTRIAL/ORGANIZATIONAL**

PSY 315—Social Psychology  
 PSY 331—Psychology of Learning and Memory  
 PSY 335—Behavior Modification  
 PSY 344—Applied Research Techniques  
 PSY 362—Industrial Psychology  
 PSY 419—Measurement of Individual Differences  
 PSY 465—Group Dynamics or PSY 320, Psychology or Leadership

**PRE-LAW**

Psy 302—Psychology of Youth  
 Psy 315—Social Psychology  
 Psy 320—Psychology of Leadership  
 Psy 331—Psychology of Learning and Memory  
 Psy 335—Behavior Modification  
 Psy 343—Theories of Personality  
 Psy 353—Survey of Abnormal Psychology I

**MILITARY**

Psy 302—Psychology of Youth  
 Psy 315—Social Psychology  
 Psy 320—Psychology of Leadership  
 Psy 331—Psychology of Learning and Memory  
 Psy 335—Behavior Modification  
 Psy 362—Industrial Psychology  
 Psy 353—Survey of Abnormal Psychology I

10 hours from 300-400 level Psychology courses (at least one 400 level course)

**SUGGESTED MINORS:**

Applied: Biology, Sociology, Business, Computer Science  
 Basic: Math, Biology, Chemistry, Physics, Computer Science  
 Pre-Counseling: Sociology, Business, Political Science, History, English  
 Pre-Industrial/Organizational: Business, Computer Science, Political Science  
 Military: Business, Political Science, Computer Science

**ELECTIVES** (to bring the total number of credit hours to at least  
 185 exclusive of Physical Education)

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS**

**MODERN LANGUAGE AND/OR  
STATISTICS/COMPUTER SCIENCE REQUIREMENTS**

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S AND GEORGIA HISTORY REQUIREMENT**

**ADDITIONAL REQUIREMENTS FOR ALL PSYCHOLOGY MAJORS**

No grade below C will be acceptable on any Psychology course presented to fulfill the requirements for a Psychology major.

The Advanced Psychology Section of the Graduate Record Examination is required of all majors in Psychology.

**MINOR IN PSYCHOLOGY**

Psychology 101 plus 20 hours elected from the Psychology curriculum

25

# **COURSES IN PSYCHOLOGY**

**101. INTRODUCTION TO PSYCHOLOGY. 5 hours**  
Must precede other psychology courses. A study of human and animal behavior, including an introduction to the scientific method as used in the study of motivation, emotion, learning, individual differences (including an introduction to psychological measurement and testing), development of personality, behavior disorders and therapy, and social influences on behavior.

**200H. HONORS PSYCHOLOGY. 5 hours**  
Prerequisite: Psychology 101. Admission by invitation . Course will emphasize student involvement in topics to be covered and in the manner in which chosen topics will be studied.

**205. ADVANCED GENERAL PSYCHOLOGY. 5 hours**  
A study of the history of psychology, perception, sensation, complex learning, the nervous system, with particular emphasis on the brain and behavior, genetics, and advanced psychological measurement and testing.

**252. HUMAN SEXUALITY. 5 hours**  
A theoretical, empirical, and applied analysis of human sexual behavior. Although a number of perspectives (biological, psychological, and sociological) are considered, the psychological foundations of sexual behavior are emphasized.

**256. ALTERED STATES OF CONSCIOUSNESS. 5 hours**  
A Biobehavioral study of states of awareness. Effects of manipulating normal waking and sleep patterns are examined. Topics include the use and abuse of drugs, medication, minimal brain dysfunction (MBD), hyperactivity, and behavior disorders as they pertain to states of consciousness. No specific prerequisites are necessary beyond introductory courses in one or more of the following areas: biology, chemistry, physics or psychology.

<b>258.</b>	<b>PSYCHOLOGY OF ADJUSTMENT.</b>	<b>5 hours</b>
	Psychology 101 is recommended but not required as a prerequisite. A course designed to help the student with his or her own personal adjustment. Topics discussed include: the self, adequate and inadequate coping strategies, effective communication skills, meaningful interpersonal relationships, dealing with the end of a relationship, factors influencing marital success and failure.	
<b>300A.</b>	<b>STATISTICS FOR THE BEHAVIORAL SCIENCES.</b>	<b>5 hours</b>
	Prerequisite: Math 240. A survey of the statistics which are most frequently used in the behavioral sciences. Particular emphasis will be placed on analysis of variance techniques; some of the more useful nonparametric techniques will also be covered. Primary concern will be with computation and interpretation.	
<b>300B.</b>	<b>EXPERIMENTAL PSYCHOLOGY.</b>	<b>5 hours</b>
	Prerequisite: Psy. 300A and Math 240. This course is designed to introduce students to experimental methods as applied to behavior. Some basic standard tools will be presented. Students will learn design of elementary experiments. Laboratory time will be spent implementing simple procedures.	
<b>301.</b>	<b>CHILD DEVELOPMENT.</b>	<b>5 hours</b>
	A study of the roles played by maturation and experience in the social, emotional, moral, and physical development of children from the prenatal period to adolescence. Observation of children in public school required for two hours weekly.	
<b>302.</b>	<b>PSYCHOLOGY OF YOUTH.</b>	<b>5 hours</b>
	A study of the physical, social, and cognitive aspects of youth with emphasis on the problems of the transition to maturity.	
<b>305.</b>	<b>EDUCATIONAL PSYCHOLOGY.</b>	<b>5 hours</b>
	Emphasis on learning, its nature, motivation, retention, appraisal, transfer, and application. Adjustment of educational practices to individual differences in abilities and interests among pupils will be considered. Some observation in teaching-learning situations will be done.	
<b>309.</b>	<b>HISTORY AND SYSTEMS.</b>	<b>5 hours</b>
	An integrative course emphasizing the origins and background of the science of behavior. Important contributors and their schools of thought will be studied. Relating these schools of thought to present systematic developments in psychology will be emphasized.	
<b>315.</b>	<b>SOCIAL PSYCHOLOGY.</b>	<b>5 hours</b>
	A survey of the effects of the social environment on human behavior. Coverage includes: aggression, altruism, attitude change, audience effects, conformity, group dynamics, interpersonal attraction, leadership, sex roles and social perception.	
<b>320.</b>	<b>PSYCHOLOGY OF LEADERSHIP.</b>	<b>5 hours</b>
	Psychology 101 is recommended but not required as a prerequisite. The characteristics of an effective leader will be studied and analyzed employing both a theoretical and an applied approach.	

**331. PSYCHOLOGY OF LEARNING AND MEMORY.** 5 hours  
An empirical and theoretical study of classical, instrumental and operant conditioning, reinforcement, discrimination learning, extinction, verbal learning, and other phenomena.

**335. BEHAVIOR MODIFICATION.** 5 hours  
Prerequisite: 331 or consent of instructor. Selected behavior modification techniques including experimental analysis, successive approximation and other operant techniques, counterconditioning, reciprocal inhibition, and others as applied to learning problems, mild behavioral disturbances, and mild cases of retardation.

**343. THEORIES OF PERSONALITY.** 5 hours  
A critical evaluation of the major theories of personality and a survey of research of major personality variables comprise this course.

**344. APPLIED RESEARCH TECHNIQUES.** 5 hours  
A study of the research methodology for applied problems and for non-laboratory settings. Coverage includes consumer, field, marketing, policy-oriented, program evaluation and survey research techniques. Active student participation in applied research projects is emphasized.

**353. SURVEY OF ABNORMAL PSYCHOLOGY I.** 5 hours  
This course involves the study of the historical perspectives of abnormal behavior, the various psychosocial models used to understand behavior as well as the study of personality development and adjustment. The major emphasis of the course will be a thorough investigation— involving the causes, dynamics, and treatment—of the following forms of abnormal behavior: transient situational disorders, neuroses, schizophrenia and paranoia, major affective, disorders and suicide, sociopathic disorders, delinquency and crime, alcoholism, drug dependence, and psychosomatic disorders.

**354. ADVANCED ABNORMAL PSYCHOLOGY II.** 5 hours  
This course deals with the causes, dynamics and treatment of the following forms of abnormal behavior: sexual deviations, organic brain syndromes, mental retardation, behavior disorders of childhood, maladaptive behavior of groups. Special emphasis will be given to contemporary approaches to therapy.

**362. INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY.** 5 hours  
The study of human problems in work settings, selection, placement, motivation and job satisfaction, leadership, performance assessment, organizational development.

**410, 411, 412. PSYCHOLOGICAL READING AND RESEARCH.** 2, 2, 2 hours  
Prerequisite: permission of Instructor.

**419. MEASUREMENT OF INDIVIDUAL DIFFERENCES.** 5 hours  
An introduction to theories and practices of psychological measurement. The characteristics and uses of specific maximum and typical performance assessment devices will be included.

423.	<b>PHYSIOLOGICAL PSYCHOLOGY.</b>	5 hours
	Prerequisite: 10 hours Biology. Personality is viewed as the integration of the morphology, physiological and psychological aspects of the organism. The relationship between the internal environment and such behaviors as food intake control, mating behavior, neural action, emotion, etc., will be considered.	
425.	<b>SENSATION AND PERCEPTION.</b>	5 hours
	A study of sensory systems emphasizing behavioral significance of structure.	
428.	<b>COMPARATIVE BEHAVIOR.</b>	5 hours
	A treatment of evolutionary trends in behavior including neural and hormonal mechanisms, with emphasis on physiology and function.	
433.	<b>INDIVIDUAL INTELLIGENCE TESTING: WECHSLER AND STANFORD-BINET SCALES.</b>	3 hours
	Prerequisite: Psychology 419. Training in the administration, scoring, and interpretation of the Wechsler and the Stanford-Binet Scales. A minimum competency in the use of these scales for both children and adults is required.	
463.	<b>PSYCHOLOGICAL COUNSELING AND PSYCHOTHERAPY.</b>	5 hours
	Prerequisites: Psy. 353 and two additional psychology courses. A study of the various methods employed in counseling and psychotherapy. These methods will be interpreted as they are applied in the treatment of both the "disturbed" and the "normal" individual.	
465.	<b>GROUP DYNAMICS.</b>	5 hours
	The study of the psychology of small group behavior. Coverage includes situational, physical and personality factors as they relate to group formation, interaction, and performance.	
470 a,b,c.	<b>INDEPENDENT STUDY IN PSYCHOLOGY.</b>	5, 5, 5 hours
	Practical experience in the area of student's major interest under the supervision of and approved by the Psychology Department.	

No grade below C will be acceptable on any Psychology course presented to fulfill the requirements for a Psychology major. Psychology 101 is required for all other Psychology courses except Psychology 258 and Psychology 320. Psychology 101 is recommended, but not required for Psychology 258 and Psychology 320.

# DEPARTMENT OF SOCIAL SCIENCES

**Ray C. Rensi, Department Head**

## MAJOR IN CRIMINAL JUSTICE

### CORE CURRICULUM REQUIREMENTS

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101, 240	10
English 203, 204, 205, 206, 207	5-10	Sciences: (one ten-hour sequence) Biology 101-102, or 101-103	10
Fine Arts 252	0-5	Chemistry 101-102	
Spanish 101	0-5	Astronomy 104, 105 Physical Science 115-116	
<b>AREA III — SOCIAL SCiENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Psychology 101	5	Criminal Justice 200, 201, 250	15
Political Science 101	5	Sociology 225	5
Sociology 100	5	Business Admin. 221	5
History 100	5	Computer Science 120, 130 or Spanish 102, English 250	5
COURSES REQUIRED FOR CRIMINAL JUSTICE MAJORS			
Social Science 300, 310			10
Criminal Justice 300, 310, 320, 321, 322, 400, 410, 420			40
Criminal Justice 485			15
Psychology 353			5
ELECTIVES			
At least 10 hrs. in 300-400 level courses from related fields			20
As a result of consultations with their academic advisor, criminal justice majors may develop concentrations in law enforcement, administration, corrections or pre-law.			
MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)			18
BASIC PHYSICAL EDUCATION REQUIREMENTS			6
U.S. AND GEORGIA CONSTITUTION REQUIREMENT			
U.S. AND GEORGIA HISTORY REQUIREMENT			
SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION			

**MAJOR IN HISTORY****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Mathematics 101; 240	10
Courses from English 203, 204, 205 206, 207	5-10	Sciences: (a ten-hour sequence of a Lab Science at the 100 level) Biology 101, 102, 103 (any two)	10
Fine Arts 252, French 101, German 101, Spanish 101	0-5	Chemistry 101-102, 103 (any two) Physical Science 115, 116 Astronomy, 104, 105	
<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	History 103 or 111 and 252, 253 (any two)	10-15
History 100	5	Business Administration 221 or Political Science 205	5
History 103, 111	5-10	Courses from Anthropology, Computer Science, Economics, Elementary Statistics, Political Science	
A course from: Anthropology 100 Psychology 101 Sociology 100 Business Admin. 221			10-15
<b>HISTORY MAJOR</b>			45
History 205 and 251, 252, 253 (any two) plus 25 hours of 300 level courses and a 400 level course. A total of ten hours must be from courses in European or Non-American History.			
<b>COURSES IN THE MINOR</b>			20
Majors in the field of History must complete 20 hours of advanced study in a closely-related subject area. Minors may come from related fields with Social Sciences or from other related fields. A minor should be chosen on the basis of its relatedness to the student's scholarly interest and his career goals and only after consultation with his major advisor.			
The following fields may be used to fulfill the minor requirements: Business Administration, Economics, Fine Arts (with the approval of advisor), Modern Languages, Political Science, Psychology, Sociology, English.			
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			18
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			6
<b>MODERN LANGUAGE REQUIREMENTS</b>			10-20
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			
<b>SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.</b>			

**MAJOR IN HISTORY—SECONDARY EDUCATION\*****CORE CURRICULUM AREA IV**

History 205	5
History 251, 252, 253 (any two)	10
Anthropology 100; BA. 221, 222; Political	15
Science 205, Psychology 205	
Computer Science 120, 130	

(For Other Core Curriculum Requirements see above)

**COURSES IN THE MAJOR**

History 205 and 251, 252, 253 (any two) plus 25 hours of 300 level courses with at least 10 hours in European History and History 395.

**COURSES IN RELATED FIELD**

Ten (10) hours of 300-400 level work in a related field in the Social Sciences.

**PROFESSIONAL EDUCATION SEQUENCE**

Education 204, 305, 311c, 421c, and 431c

**OTHER REQUIREMENTS:**

Physical Education 309, 390

Special Education 360

**ELECTIVES:**

In addition to the degree requirements, the student is expected to complete 10 hours of course work, distributed among the following areas: Anthropology, Sociology, Economics, and History; (a) Anthropology 100, General Anthropology; (b) Sociology 100, Introduction to Sociology; (c) Economics 221, 222, Principles of Economics; (d) Political Science 101, American Government, and 205, Introduction to Political Science.

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS**

6

**MODERN LANGUAGE REQUIREMENTS**

10-20

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT****U.S. AND GEORGIA HISTORY REQUIREMENT****SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.****MAJOR IN POLITICAL SCIENCE****CORE CURRICULUM REQUIREMENTS**

AREA I—HUMANITIES	HOURS CREDIT	AREA II—MATHEMATICS AND NATURAL SCIENCE	HOURS CREDIT
English 101-102	10	Mathematics 101, 240	10
Courses from English 203, 204, 205, 206, 207	5-10	Sciences: (a ten-hour sequence of a Lab Science at the 100 level)	10
French 101, German 101, Spanish 101	5	Biology 101, 102, 103 (any two) Chemistry 101-102; or 121-122 Physical Science 115, 116 Astronomy 104, 105	

\*All bachelor degree programs in teacher education leading to state certification are also subject to degree requirements listed in the Department of Education section of this catalog.

<b>AREA III — SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV — COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science	5	Political Science 205	5
History 100	5	Business Admin 221	5
History 103	5	French, German or	
A Course from: Psychology 101, Sociology 100	5	Spanish 211 and 212 Computer Science 100-200 level Courses from Anthropology, Economics, Geography, History, Philosophy, Political Science, Psychology, Sociology	10 5

**POLITICAL SCIENCE MAJOR**

Social Science 300, Political Science 205, 300, 303, 305, 401, 404, plus 10 hours of 300 and 400 level courses. To fulfill the requirements for a major in Political Science, a student must offer at least one senior seminar in his appropriate field.

**COURSES IN THE MINOR**

Majors in the field of Political Science must complete 20 hours of advanced study in a closely-related subject area. Minors may come from related fields with Social Sciences or from other related fields. A minor should be chosen on the basis of its relatedness to the student's scholarly interest and his career goals and only after consultation with his major advisor.

The following fields may be used to fulfill the minor requirements: Anthropology, Economics, English, History, Modern Languages, Psychology, Sociology.

**ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)**

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS**

6

**MODERN LANGUAGE REQUIREMENTS**

10-20

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT**

**U.S. AND GEORGIA HISTORY REQUIREMENT**

**SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.**

**MAJOR IN POLITICAL SCIENCE—SECONDARY EDUCATION****CORE CURRICULUM AREA IV**

French 211, German 211 or Spanish 211	5
Computer Science 120, 130	5
Political Science 205	5
Business Admin. 221	5
History 205, Psychology 205, Business Admin. 222	
(For Other Core Curriculum Requirements see above)	

**COURSES IN THE MAJOR**

45

Social Science 300, Political Science 205, 300, 303, 305, 310, 401; from 455, 456, 457 and 5 hrs. from 460, 461, 462, 463.

<b>COURSES IN RELATED FIELD</b>			
Ten (10) hours of 300-400 level work in related field in the Social Sciences			10
<b>PROFESSIONAL EDUCATION SEQUENCE</b>			
Education 204, 305, 311c, 421c, and 431c			35
<b>OTHER REQUIREMENTS</b>			
Physical Education 309, 390			6
Special Education 360			5
<b>ELECTIVES:</b>			
In addition to the degree requirements, the student is expected to complete 10 hours of course work distributed among the following areas: Anthropology, Sociology, Economics, and History; (a) History 251, 252, 253 American History; (b) Anthropology 100, General Anthropology; (c) Sociology 100, Introduction to Sociology.			15
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
			18
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			
			6
<b>MODERN LANGUAGE REQUIREMENTS</b>			
			5-15
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			
<b>SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.</b>			

## **MAJOR IN SOCIOLOGY**

### **CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101-102	10	Math 101, 240	10
Courses from English 203, 204 205, 206, 207	5-10	Sciences (A ten-hour sequence of a Lab Science at the 100 level)	10
Fine Arts 252, French 101, German 101, Spanish 101	5	Biology 101, 102, 103 (or any two) Chemistry 101-102, or 121-122 Physics 101, 102, or Physical Science 115, 116 Astronomy 104, 105	
<b>AREA III—SOCIAL SCIENCES</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	Sociology 100, 216	10
History 100	5	Computer Science 120, 130	5
History 103	5	Courses from:	
A course from: Psychology 101, or Business Admin. 221	5	Economics, Political Science, Psychology, Criminal Justice	10
History 101, 102, 111	5	French 211, German 211, Spanish 211	5

### **SOCIOLOGY MAJOR**

Social Science 300, 310  
Sociology 225, 310 plus 30 hours of 300 and 400 level courses

50

### **SOCIOLOGY MAJOR—SOCIAL WORK CONCENTRATION**

Social Science 300, 310  
Sociology 300, 301, 302, 310, 312, 315, 325, 402

50

**COURSES IN THE MINOR**

Majors in the field of Sociology must complete 20 hours of advanced study in a closely-related subject area. Minors may come from related fields with Social Sciences or from other related fields. A minor should be chosen on the basis of its relatedness to the student's scholarly interests and his career goals and only after consultation with his major advisor. The following fields may be used to fulfill the minor requirements: Economics, English, History, Modern Languages, Political Science, Psychology.

ELECTIVES (to bring the total number of credit hours to at least 185 hours of Physical Education)	20
MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)	18
BASIC PHYSICAL EDUCATION REQUIREMENTS	6
MODERN LANGUAGE REQUIREMENTS	5-15
U.S. AND GEORGIA CONSTITUTION REQUIREMENT	
SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.	

### **MAJOR IN SOCIOLOGY—SECONDARY EDUCATION (BEHAVIORAL SCIENCES)**

**CORE CURRICULUM AREA IV**

French 211, German 211, Spanish 211	5
Computer Science 120, 130	5
Anthropology 100, Psychology 205,	
Business Admin. 221,222, History, 205	
Political Science 205	20

**COURSES IN THE MAJOR**

Social Science 300, 310; Sociology 225, 216, 301, 310 and 10 hours of appropriate 300 level courses.	40
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**COURSES IN RELATED FIELD**

Ten (10) hours of 300-400 level work in Psychology and Anthropology 100, 300.	20
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**PROFESSIONAL EDUCATION SEQUENCE**

Education 204, 305, 311c, 421c, and 431c	35
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**OTHER REQUIREMENTS**

Physical Education 309, 390 Special Education 360	6
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**ELECTIVES:** At least 20 hours from Anthropology 100,  
Psychology 101, 205, 299, 305, 314
**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION REQUIREMENTS**

6

**MODERN LANGUAGE REQUIREMENTS**

5-15

**U.S. AND GEORGIA CONSTITUTION REQUIREMENT****U.S. AND GEORGIA HISTORY REQUIREMENT**
**SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.**

**MULTI-DISCIPLINE MAJOR IN SOCIAL SCIENCES****CORE CURRICULUM REQUIREMENTS**

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101, 102 Courses from English 203, 204 205, 206, 207 Fine Arts 252, French 101, German 101, Spanish 101	10 5-10 5	Math. 101, 240 Sciences: Biology 101-102, 103 (any two);; or Chemistry 101-102 Physics 101, 102, or Physical Science 115, 116, or Astronomy 104-105.	10 10-15
<b>AREA III—SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101 History 100 History 103, 111 Psychology 101, Sociology 100, Business Admin. 221, 222	5 5 5 5 5	French, German or Spanish 211 Computer Science 100-200 level Business Admin. 221, 222, 231, 251 Courses from Anthropology 100, Psychology 205, 258, Political Science 205,	5 5 10 10
<b>MULTI-DISCIPLINE SOCIAL SCIENCE MAJOR</b>			
A.*1. Social Science 300, 310  2. One course from Business Administration, Education 416, or Computer Science 351, 352  B. Business Administration 321, 322, 323, 361, 426, 427, 446  C. Political Science 303, 305, 306, 310, 315, 401, 404, 410, 411, 412m 468  D.*History 304, 305, 351, 352, 403, 451, 452  E.* Psychology 300, 315, 320, 321, 343, 362, 420, 430  F.* Sociology 301, 302, 303, 320, 321, 322, 330			10 20 20 15 15 15 15
<b>ELECTIVES (to bring the total number of credit hours to at least 185 exclusive of Physical Education)</b>			
<b>MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)</b>			
NOTE*: Cadets enrolled in 18 hours of Military Science will be required to take 10 hours in A, 5 hours in D, 10 hours in E, and 10 hours in F.			
<b>BASIC PHYSICAL EDUCATION REQUIREMENTS</b>			
<b>MODERN LANGUAGE REQUIREMENTS</b>			
<b>U.S. AND GEORGIA CONSTITUTION REQUIREMENT</b>			
<b>U.S. AND GEORGIA HISTORY REQUIREMENT</b>			
<b>SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.</b>			

## MULTI-DISCIPLINE SOCIAL SCIENCE MAJOR— PRE-LAW CONCENTRATION

<b>COURSES IN THE CONCENTRATION</b>		<b>HOURS CREDIT</b>
SOSC 300	Statistics for the Social Sciences	5
PLSC 300	Scope and Methods of Political Science	5
303	International Relations	5
305	American Constitutional System	5
320	Civil Liberties	5
404	Public Administration	5
412	The Judicial System and the Judicial Process	5
450	Legal Research	5
HIST 342	Social and Cultural History of the United States, 1900 to the Present	
395	The Developing World	
445	Studies in U.S. History	
PLSC 306	American State Government	
310	American Political Theory	
401	Comparative Government	
402	Twentieth Century Political Thought	
SOCI 335	Political Sociology	
SOSC 425	Law and Society	
		<b>10</b>
		<b>50</b>

### **OTHER RECOMMENDED COURSES:**

BADM 231	Principles of Accounting	5
ENGL 250	Technical Writing	5
307	Advanced English Grammar	5
350	Advanced Composition	5
MLAN	Modern Language Electives	10
SPCH 211	Speech	5
213	Creative Speech Communication	5
PSYH 300B	Experimental Psychology	5
315	Social Psychology	

## MULTI-DISCIPLINE MAJOR—SOCIAL SCIENCES

### SECONDARY EDUCATION

#### CORE CURRICULUM REQUIREMENTS

<b>AREA I—HUMANITIES</b>	<b>HOURS CREDIT</b>	<b>AREA II—MATHEMATICS AND NATURAL SCIENCE</b>	<b>HOURS CREDIT</b>
English 101, 102	10	Math. 101, 240	5-10
Courses from English 203, 204, 205, 206, 207	5-10	Sciences: Biology 101-102, 103 (any two); or Chemistry 101-102	10-15
Fine Arts 252, French 101, German 101, Spanish 101	5	Physics 101, 102, or Physical Science 115, 116, or Astronomy 104-105	

<b>AREA III—SOCIAL SCIENCE</b>	<b>HOURS CREDIT</b>	<b>AREA IV—COURSES APPROPRIATE TO MAJOR FIELD</b>	<b>HOURS CREDIT</b>
Political Science 101	5	French 211, German 211	
History 100	5	Spanish 211	5
History 103	5	A 100-200 level Computer Science course	5
History 111		Business Admin. 221, 222	
Psychology 101,		Courses from	
Sociology 100,		Political Science 205,	
Business Admin. 221		Psychology 205,	
		Sociology 225	10

**MULTI—DISCIPLINE MAJOR—SOCIAL SCIENCES (Secondary Education)**

A. Certification for Multi-Disciplinary Social Science teachers in secondary schools must consist of a minimum of 75 quarter hours in four Social Science areas distributed as follows:

1. A core of 45 hours in three areas, 15 hours each
2. A concentration of 30 hours in one area not included in the core.
3. Of the 75 quarter hours, 15 quarter hours must include work which deals with the Non-Western world.

B. History: In 30 hour concentration — A minimum of 10 hours in American History, 10 hours in World History, and 5 hours in Non-Western History.

In 15 hour core - History 205, and 5 hours of U.S. and 5 hours of Europe of which 10 hours must be from 300-400 level courses.

C. Economics: In 30 hour concentration — Must include Business Admin. 321, 322, 323, 352, 425, 428

In 15 hour core - 15 hours from Business Admin. 321, 322, 323, 428

D. Political Science: In 30 hour concentration — Must include Social Science 300; Political Science 300, 303, 305, 401, and 5 hours from 310, 315, 402.

In 15 hour core - Political Science 300, 303, 305.

E. Psychology: In 30 hour concentration — Must include Psychology 300a, 300b, 309, 315, 343, 419.

In 15 hour core — 15 hours from Psychology 300, 309, 315, 343.

F. Sociology — In 30 hour concentration — Must include Social Science 300, 310; Sociology 216, 310, and 10 hours from appropriate 300-400 level courses in Sociology.

In 15 hour core — Sociology 310, and an appropriate 300-400 level course in Sociology or Social Work.

**STUDENTS IN MULTI-DISCIPLINE SOCIAL SCIENCE EDUCATION** planning to do work in Area A in Economics or Psychology should see the departmental advisors in the respective discipline. Students in Area A disciplines see the Head of the Social Science Department.

**PROFESSIONAL EDUCATION SEQUENCE**

Education 204, 305, 311c, 421c, 431c

35 hours

**ELECTIVES** (to bring the total number of credit hours to at least 185 exclusive of Physical Education)

**OTHER REQUIREMENTS**

Physical Education 309, 390

6

Special Education 360, 490

5

**MILITARY SCIENCE REQUIREMENTS (FOR MILITARY STUDENTS)**

18

**BASIC PHYSICAL EDUCATION**

6

MODERN LANGUAGE REQUIREMENTS	15
U.S. AND GEORGIA CONSTITUTION REQUIREMENT	
U.S. AND GEORGIA HISTORY REQUIREMENT	
SATISFACTORY COMPLETION OF A DEPARTMENTALLY APPROVED COMPREHENSIVE EXIT EXAMINATION.	

**MINOR IN HISTORY**

History 205	5
Course selected from 251, 252, 253	5
Courses from 300-400 level	10
A 400 level course	5

**MINOR IN POLITICAL SCIENCE**

Political Science 205 and 20 hours from 300-400 level courses	25
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**MINOR IN SOCIOLOGY**

Sociology 225 plus 20 hours of 300-400 level courses	25
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# COURSES IN SOCIAL SCIENCE

## COURSES IN ANTHROPOLOGY

100. **INTRODUCTION TO ANTHROPOLOGY.** 5 hours  
A survey of the science of Anthropology to include Modern Physical Anthropology; a consideration of the origins and evolution of man and the variation of modern man; Archaeology and Cultural Anthropology; to consider the origins and evolution of human societies and cultures and their modern variation. No prerequisite; open to freshmen.

300. **READINGS IN ANTHROPOLOGY.** 5 hours  
Independent readings from selected literature in the field of Anthropology. Although this course may be given through formally organized classes, it may also be given by arrangement under the supervision of a member of the Department of Social Science. Written or oral reports will be expected of each student in connection with each of the assigned readings.

## COURSES IN CRIMINAL JUSTICE

200 **HISTORICAL DEVELOPMENT OF HISTORY OF CRIMINAL JUSTICE.** 5 hours.  
An overview of the criminal justice system as it has historically developed in Western Civilization; pre-historical societies and continuing through ancient Rome, Greece, Judea, the Middle Ages, Feudal England, France, Napoleonic France (development of the Enlightenment Philosophies), until current period. This course is a prerequisite for all Criminal Justice majors.

201. **INTRODUCTION TO CRIMINAL JUSTICE.** 5 hours.  
An historical and behavioralist study of the operation of the Criminal Justice system, its cultural context and contemporary trends at the national and local level.

250. **CRIMINAL LAW I.** 5 hours.  
This course will be an examination of the legal requirements for crimes through the perspective of a prosecuting attorney. The corpus delectis for offenses against persons and property will be dealt with.

300. **CRIMINAL LAW II.** 5 hours.  
This course will be an extension of Criminal Law I. It will examine the area of crimes against the state but will largely deal with the possible defenses allowed in our legal system. This course should be taken the quarter after Criminal Law I.

310. **CONSTITUTIONAL LAW I.** 5 hours.  
This course will examine the rights granted defendants within the criminal justice system under the Constitution. It will also examine procedural rules to be followed in case development.

312. **CONSTITUTIONAL LAW II.** 5 hours.  
This course is an extension of Constitutional Law I. However, it will deal mainly with the constitutional rights of convicted offenders both before and after release.

320.	<b>CRIMINOLOGY.</b>	5 hours
	A study of the social factors related to criminal behavior: prisons, and treatment practices.	
321.	<b>JUVENILE DELINQUENCY.</b>	5 hours
	This course emphasizes three areas of the problem of juvenile delinquency: Causation, Treatment and Prevention.	
322.	<b>CORRECTIONS.</b>	5 hours
	A study of the American prison system. Comparison with the prison system of other nations will be made.	
400.	<b>CRIMINAL INVESTIGATIONS.</b>	5 hours
	This course deals with the introduction to investigation methodology and includes the theory of investigations, as conducted at the scene of the crime; collection and preservation of evidence, the use of informants, techniques of surveillance, and presentation of cases in court.	
410.	<b>EVIDENCE.</b>	5 hours
	An intensive study and analysis of the rules of evidence as they apply to criminal cases. Particular emphasis will be placed on burden of proof and hearsay evidence as well as the principles of exclusion and selection.	
412.	<b>THE JUDICIAL SYSTEM AND THE JUDICIAL PROCESS.</b>	5 hours
	A systematic study of the Judicial System and its role in the administration of Justice.	
420.	<b>CRIMINALISTICS.</b>	5 hours
	An introduction to the problems and techniques of scientific investigations in the criminal field. Emphasis will be placed on familiarizing the student with the role of science and technology in modern law enforcement.	
450.	<b>ADVANCED STUDIES IN CORRECTION.</b>	5 hours
	<i>Offered on Demand.</i>	
	Prerequisite: Psychology 335 and S.W. 403. Study in institution-based treatment programs, community based treatment for pretrial and posttrial programs. Emphasis will be placed on the impact and operational aspects of these programs.	
485.	<b>INTERNSHIP IN CRIMINAL JUSTICE.</b>	5-15 hours
	An assignment to a law enforcement or related agency.	
490.	<b>INDEPENDENT STUDY IN CRIMINAL JUSTICE.</b>	5 hours
	Independent study in criminology, penology, social problems, human relationships and related topics.	

**COURSES IN HISTORY**

100.	<b>SURVEY OF AMERICAN AND GEORGIA HISTORY.</b>	5 hours
	A survey of U.S. and Georgia history from the colonial period to the present. (This course is designed to satisfy the state law requiring that all students receiving degrees pass a course in the history of the United States and Georgia.)	

101, 102, 103.	<b>WORLD CIVILIZATION.</b> A survey of world civilization from prehistoric times to the present.	5, 5, 5 hours
111.	<b>SCIENCE AND MODERN CULTURE.</b> A survey of the role of science and technology in shaping the modern mind.	5 hours
205.	<b>INTRODUCTION TO HISTORIOGRAPHY.</b> A study of the writings of selected historians as they illustrate the problems and the methodology of historical scholarship.	5 hours
251.	<b>AMERICAN HISTORY, 1492 TO 1850.</b>	5 hours
252.	<b>AMERICAN HISTORY, 1850 TO 1920.</b>	5 hours
253.	<b>AMERICAN HISTORY, 1920 TO PRESENT.</b>	5 hours
260.	<b>HISTORY OF THE WORLD'S RELIGIONS.</b> This course will examine the historical development of the major religions of the world. A study will be made of the origin and growth of the major religions of mankind and of their contribution to modern civilization.	5 hours
270.	<b>THE HISTORY OF WESTERN PHILOSOPHY.</b> A chronological survey of some of the major issues and conceptions which have been dominant themes in western philosophical discussion; from Socrates to Sartre.	5 hours
300.	<b>RENAISSANCE AND REFORMATION.</b> A study of European social, political and intellectual developments between 1350 and 1648 with emphasis on Italian City States, Humanism, breakup of medieval Christendom, dynasticism and wars of religion.	5 hours
301.	<b>AGE OF REASON.</b> A study of Europe in the age of absolutism, the scientific revolution, social and political criticism, and the enlightenment between 1610 and 1770.	5 hours
302.	<b>ENLIGHTENMENT AND REVOLUTION.</b> A study of Europe during the Enlightenment and the age of the French Revolution, 1740 to 1815.	5 hours
308.	<b>NINETEENTH CENTURY.</b> A survey of the major political, social and intellectual developments, with emphasis on nationalism, socialism and liberalism between 1815 and 1914.	5 hours
309.	<b>TWENTIETH CENTURY, I.</b> A study of the breakdown of liberal Europe, origins of the Great War, the Peace Settlement and its consequences, 1890 to 1928.	5 hours
310.	<b>TWENTIETH CENTURY, II.</b> A study of the rise of Nazi Germany & the Soviet Union to world prominence, World War II, Cold War and the rise of the Third World.	5 hours

**314. HISTORY OF BRITAIN, THE EMPIRE AND THE COMMONWEALTH—1832 TO THE PRESENT. 5 hours**  
 A study of the growth of Britain as a global power and its impact on world history in the nineteenth and twentieth centuries.

**316. TWENTIETH CENTURY REVOLUTIONARY NATIONALISM. 5 hours**  
 Twentieth Century Revolutions in Russia, Asia, North Africa and the Middle East, and the rise of the Third World.

**320. RUSSIAN HISTORY TO 1905. 5 hours**  
 Muscovite period, westernization, Imperial period and the reform era.

**321. RUSSIAN HISTORY SINCE 1905. 5 hours**  
 Revolutionary movements, 1905-1917, Bolshevik victory, N.E.P., modernization of Russia, Stalin, War, Russia as a super power and post-Stalin period.

**325. INTELLECTUAL HISTORY OF MODERN EUROPE. 5 hours**  
 A study of the dominant ideas and movements since 1815 with emphasis on political and social ideas.

**327. SOCIAL AND ECONOMIC HISTORY. 5 hours**  
 Pre-industrial society, mercantilism, technological innovation, industrial revolutions, modern world economy.

**345. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES TO 1860. 5 hours**  
 An analysis of the social currents, institutions and minorities in Colonial and Antebellum America.

**346. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES FROM 1860 TO THE PRESENT. 5 hours**  
 An analysis of social currents in 19th and 20th Century America.

**351. THE OLD SOUTH. 5 hours**  
 A survey of economic, social, cultural, and political developments in the South from the founding of the Southern Colonies to 1865. Special emphasis will be placed on the role of the nonwhites in Southern Society starting with the adoption of the Fourteenth and Fifteenth Amendments during the Reconstruction periods and going up through the Civil Rights and Black Power Movements of the second half of the twentieth century.

**352. THE NEW SOUTH. 5 hours.**  
 A survey of economic, social, cultural and political developments in the South since the end of the Civil War. Special emphasis will be placed on the role of the nonwhites in Southern Society starting with the adoption of the Fourteenth and Fifteenth Amendments during the Reconstruction periods and going up through the Civil Rights and Black Power Movements of the second half the twentieth century.

**360. THE AMERICAN REVOLUTION. 5 hours**  
 This course will investigate and analyze the social, political, economic and military events of the era from 1700 to 1783.

361.	<b>CIVIL WAR AND RECONSTRUCTION.</b>	<b>5 hours</b>
	History of the United States, 1860-1877. The course covers the outbreak of war, the war itself, the North during the War, the Confederacy, the Reconstruction program, the South during Reconstruction, and the North during Reconstruction.	
365.	<b>AMERICAN ECONOMIC HISTORY.</b>	<b>5 hours</b>
	A descriptive analysis of America's economic development with emphasis on the relationships between natural and human resources, technology and capital formation, the organization of economic life and the interaction of economic and social priorities.	
370.	<b>APPALACHIAN STUDIES.</b>	<b>5 hours</b>
	A consortium on Appalachian culture with an emphasis on the North Georgia heritage. This is a lecture and independent research course.	
375.	<b>HISTORY OF WESTERN WARFARE.</b>	<b>5 hours</b>
	A survey of western warfare from the beginning to the present, emphasizing the modern period. The course will examine the interrelationship of war and social, economic, political, and technological conditions.	
380.	<b>THE FEMINIST MOVEMENT.</b>	<b>5 hours</b>
	A historical study of the Feminist Movement in the United States emphasizing its political, economic, and social impact.	
386.	<b>HISTORY OF ASIAN CIVILIZATION.</b>	<b>5 hours</b>
	A survey of oriental history with emphasis upon the role of India, China, and Japan in world affairs.	
390.	<b>HISTORY OF THE MIDDLE EAST AND AFRICA.</b>	<b>5 hours</b>
	A political, cultural and economic survey which will trace the growth of Islamic Civilization in the Middle East and North Africa. The course will also examine Sub-Saharan Africa and its ancient civilizations. The effects of imperialism in both regions and the Arab-Israeli conflict will also be analyzed.	
395.	<b>THE DEVELOPING WORLD.</b>	<b>5 hours</b>
	A survey of the economic, social, cultural and political developments that have shaped civilization in Latin America, Afro-Asia and the Pacific since 1900.	

## INDEPENDENT STUDIES AND SEMINARS

400.	<b>STUDIES IN HISTIOGRAPHY.</b>	<b>5 hours</b>
410.	<b>STUDIES IN ANCIENT AND MEDIEVAL HISTORY.</b>	<b>5 hours</b>
415.	<b>STUDIES IN EARLY MODERN EUROPE.</b>	<b>5 hours</b>
425.	<b>STUDIES IN NINETEENTH AND TWENTIETH CENTURY WORLD.</b>	<b>5 hours</b>

435.	<b>STUDIES IN TWENTIETH CENTURY HISTORY SINCE 1928.</b>	5 hours
440.	<b>STUDIES IN MODERN WORLD REVOLUTIONS.</b>	5 hours
445.	<b>STUDIES IN U.S. HISTORY.</b>	5 hours
455.	<b>STUDIES IN SOCIAL &amp; CULTURAL HISTORY OF U.S.</b>	5 hours
460.	<b>STUDIES IN SOUTHERN HISTORY.</b>	5 hours
465.	<b>STUDIES IN U.S. DIPLOMATIC HISTORY.</b>	5 hours
468.	<b>STUDIES IN MODERN DIPLOMATIC HISTORY.</b>	5 hours
475.	<b>STUDIES IN MILITARY HISTORY.</b>	5 hours
477.	<b>STUDIES IN NATIONAL DEFENSE AND SECURITY.</b>	5 hours
480.	<b>STUDIES IN REGIONAL AND LOCAL HISTORY.</b>	5 hours
490.	<b>STUDIES IN THE DEVELOPING WORLD.</b>	5 hours

## COURSES IN POLITICAL SCIENCE

101.	<b>AMERICAN GOVERNMENT.</b>	5 hours
	<i>Fall, Winter, Spring, and Summer Quarters.</i>	
	Prerequisite to all other courses. An intensive examination of the Constitution and the three governmental divisions. The course includes a study of the national government in its relation to the states.	
205.	<b>INTRODUCTION TO POLITICAL SCIENCE.</b>	5 hours
	The purposes of this course are to define the discipline of political science, to study political systems and their environments, political inputs, governmental structures, governmental authorities and processes, and policy outputs and impacts. Political Science 205 also familiarizes students with research techniques and sources necessary for research in political science.	
300.	<b>SCOPE AND METHODS OF POLITICAL SCIENCE.</b>	5 hours
	An introduction to empirical political analysis through a study of research design techniques, theoretical approaches, and quantitative methods.	
303.	<b>INTERNATIONAL RELATIONS.</b>	5 hours
	An analysis of the basic forces which govern the behavior of nations in their relations with one another. This study of world power conflicts, diplomacy and international cooperation is designed to acquaint the student with the basic issues and areas of conflict among the nation-states of the contemporary world.	

305.	<b>THE AMERICAN CONSTITUTIONAL SYSTEM.</b>	5 hours
An examination of the development and nature of the American Constitutional system through Supreme Court cases defining the interrelationships of the executive, judicial and legislative branches and the relationships of the states to the national government.		
306.	<b>AMERICAN STATE GOVERNMENT.</b>	5 hours
An examination of the organization and functions of the state and its political subdivisions. Wherever possible, the state government of Georgia will be studied for illustrative purposes.		
310.	<b>AMERICAN POLITICAL THEORY.</b>	5 hours
Prerequisite: Political Science 101 and Junior standing. An analysis of the ideas underlying government and politics in the United States through a survey of American political thought from colonial times to the present.		
315.	<b>POLITICAL PHILOSOPHY.</b>	5 hours
An analysis of ideas of selected western political philosophies from Plato to Twentieth Century political philosophers.		
320.	<b>CIVIL LIBERTIES.</b>	5 hours
An analysis of the case law surrounding the constitutional guarantees of personal and social freedoms derived from the Bill of Rights and the Fourteenth Amendment.		
401.	<b>COMPARATIVE GOVERNMENT.</b>	5 hours
A study of universal political principles and an application of these principles to the study of political systems on a comparative basis.		
402.	<b>TWENTIETH CENTURY POLITICAL THOUGHT.</b>	5 hours
An analysis of modern political thought with an emphasis on the doctrines of capitalism and communism.		
404.	<b>PUBLIC ADMINISTRATION.</b>	5 hours
An analysis of the theory, basic principles and practices of public administration in the United States through a study of organization, management, budgeting, personnel, administrative leadership and the characteristics of modern bureaucracies.		
405.	<b>GOVERNMENT AND POLITICS OF THE SOVIET UNION AND THE EASTERN EUROPEAN BLOC.</b>	5 hours
406.	<b>SOVIET FOREIGN POLICY.</b>	5 hours
Prerequisite: Political Science 101. This course is designed to enable the student to understand about the nature of foreign policy in general and Soviet foreign policy in particular. The topic will be taught from the point of view that Soviet foreign policy is a continuation of foreign policy goals of pre-Bolshevik Russian.		
410.	<b>THE LEGISLATIVE PROCESS.</b>	5 hours
An analysis of the legislative process in the U.S. Congress and American State Legislatures.		

<b>411.</b>	<b>THE PRESIDENCY.</b> An analysis of the role and function of the American Presidency.	<b>5 hours</b>
<b>412.</b>	<b>THE JUDICIAL SYSTEM AND THE JUDICIAL PROCESS.</b> A systematic study of the judicial system and its role in the administration of justice.	<b>5 hours</b>
<b>430.</b>	<b>PUBLIC POLICY PLANNING AND ANALYSIS.</b> An analysis of major policy decisions and the impact of these decisions on the American Political System.	<b>5 hours</b>
<b>450.</b>	<b>READINGS AND RESEARCH IN LEGAL STUDIES.</b> Prerequisite: PLSC 300, PLSC 305 and permission of the pre-law advisor. An introduction to the methods of legal research, legal analysis, legal writing through the study of legal briefs, appellate court decisions. The course also will introduce the student to some of the types of reading he or she will encounter in the first year of law school.	<b>5 hours</b>

**SENIOR SEMINARS.**

<b>455.</b>	<b>SENIOR SEMINAR IN AMERICAN CONSTITUTIONAL SYSTEM.</b>	<b>5 hours</b>
<b>456.</b>	<b>SENIOR SEMINAR IN AMERICAN NATIONAL INSTITUTIONS.</b>	<b>5 hours</b>
<b>457.</b>	<b>SENIOR SEMINAR IN AMERICAN POLITICAL PHILOSOPHY.</b>	<b>5 hours</b>
<b>460.</b>	<b>SENIOR SEMINAR IN INTERNATIONAL RELATIONS.</b>	<b>5 hours</b>
<b>461.</b>	<b>SENIOR SEMINAR IN SOVIET AND EASTERN EUROPEAN GOVERNMENTS.</b>	<b>5 hours</b>
<b>462.</b>	<b>SENIOR SEMINAR IN SOVIET FOREIGN POLICY.</b>	<b>5 hours</b>
<b>463.</b>	<b>SENIOR SEMINAR IN COMPARATIVE GOVERNMENT.</b>	<b>5 hours</b>
<b>485.</b>	<b>INTERNSHIP.</b> Prerequisite: Permission of the instructor.	<b>15 hours</b>

**COURSES IN SOCIAL SCIENCE**

<b>300.</b>	<b>STATISTICS FOR THE SOCIAL SCIENCES.</b> Prerequisite: Math 240. A brief review of the basis for inferential and descriptive statistics; statistical inference and the assumptions of causality through specific techniques and procedures including coorelation, regression, etc. Emphasis will be placed on understanding the concepts behind the techniques as well as the mechanical skills involved. Calculators will be helpful for this course.	<b>5 hours</b>
<b>310.</b>	<b>RESEARCH METHODS IN THE SOCIAL SCIENCES.</b> Prerequisite: So. Sc. 300. A basic introduction into the area of research methods. The main areas of social research will be examined: Field, Survey, Evaluation, Experimentation and Content. Pragmatic and theoretical considerations will also be examined. A research project will be required of all students.	<b>5 hours</b>

335. **FAMILY VIOLENCE.** 5 hours  
Interdisciplinary course which will deal with the main areas of family violence; wife beating, husband beating, child abuse, sibling violence and "granny-bashing". These areas will be explored concerning causation, social and cultural context. Research in the area, responsibility and proposed means of prevention will also be dealt with.

425. **LAW AND SOCIETY.** 5 hours  
A general overview of how laws can affect society and how people's attitudes can affect the law. It will deal with several landmark cases and laws including Brown vs. Board of Ed. (desegregation), Roe v. Wade (abortion), prohibition laws, drug abuse laws, and laws against homosexuality. The course will be taught in a seminar format and is recommended strictly for upper level students.

## COURSES IN SOCIOLOGY

100. **INTRODUCTION TO SOCIOLOGY.** 5 hours  
Prerequisite to all other courses. The student is introduced to the methods of human associations; the nature of culture, custom, belief, institution, etc., and its role in the development of society.

201. **INTRODUCTION TO CRIMINAL JUSTICE.** 5 hours  
An historical and behavioralist study of the operation of the Criminal Justice system, its cultural context and contemporary trends at the national and local level.

202. **HUMAN GROWTH AND SOCIAL ENVIRONMENT.** 5 hours  
A study of the interacting biological, psychological, and socio-cultural factors in human growth and development. Includes knowledge and understanding of people as individuals, as members of organizations and communities.

216. **THE FAMILY.** 5 hours  
The American family as a social institution.

225. **SOCIAL PROBLEMS.** 5 hours  
A study of both Macro and Micro problems in modern American culture. Emphasis is given to understanding social problems as products of larger economic and political forces.

250. **THE FIELD OF SOCIAL WORK.** 5 hours  
An introductory course to the various aspects of present-day social work. Considers family and children's services, the courts, probation and parole, medical, social services, group work, community organization, public assistance and social security.

301. **SOCIAL WORK HISTORY AND PHILOSOPHY.** 5 hours  
Role and function of professional social work practice in dealing with current social welfare problems, historical background, ethical and normative considerations.

305.	<b>RACE AND ETHNICITY.</b>	<b>5 hours</b>
	An examination of the development and persistence of racial and ethnic cleavages in societies, especially the U.S. Close attention will be given to the historical and economic functions of racism and discrimination, as well as their implications for a pluralistic society.	
310.	<b>SOCIOLOGICAL THEORY.</b>	<b>5 hours</b>
	A survey of the major theoretical concepts of major writers in sociology from Comte to the present.	
312.	<b>EFFECTIVE INTERVIEWING.</b>	<b>5 hours</b>
	A study of basic communication skills and how they may be used effectively in a wide array of situations.	
315.	<b>SOCIAL STRATIFICATION.</b>	<b>5 hours</b>
	Explores the economic, political and social basis of stratification and inequality in the U.S. today. Attention is given to the origins and nature of social classes, as well as other social divisions such as occupation, sex, ethnicity, wealth and power.	
318.	<b>SOCIAL MOVEMENTS AND COLLECTIVE BEHAVIOR.</b>	<b>5 hours</b>
	An analysis of mass movements and collective protest from an historical and behavioral perspective. Emphasis is on understanding social movements as both agents and products of social change and their relationship to various other forms of collective phenomena.	
320.	<b>CRIMINOLOGY.</b>	<b>5 hours</b>
	A study of the social factors related to criminal behavior: prisons, and treatment practices.	
321.	<b>JUVENILE DELINQUENCY.</b>	<b>5 hours</b>
	This course emphasizes three areas of the problem of juvenile delinquency: Causation, Treatment and Prevention.	
322.	<b>CORRECTIONS.</b>	<b>5 hours</b>
	A study of the American prison system. Comparison with the prison system of other nations will be made.	
325.	<b>INTRODUCTION TO GERONTOLOGY.</b>	<b>5 hours</b>
	An interdisciplinary approach to the study of the process of aging.	
330.	<b>THE FEMINIST MOVEMENT.</b>	<b>5 hours</b>
	A historical study of the Feminist Movement in the United States emphasizing its political, economic, and social impact.	
335.	<b>POLITICAL SOCIOLOGY.</b>	<b>5 hours</b>
	A sociological analysis of political systems and power and their relationship to social and economic forces. Attention is given to exploring the question of "who rules America" and the processes involved in maintaining and legitimating political order.	

**340. POPULATION AND ENVIRONMENT. 5 hours**  
An examination of the sociological relationships between population growth, economic policies, natural resources, and environmental degradation. Emphasis is on viewing such problems from an ecological perspective and their consequences for future survival.

**350. OCCUPATIONS AND ORGANIZATIONS. 5 hours**  
An analysis of occupations, professions, and work roles from an organizational perspective. Attention is paid to such topics as occupational inequalities, mobility, and professional ethics, as well as the effect of technology on work and job satisfaction.

**400. SEMINAR IN SOCIOLOGY. 5 hours**  
Intensive directed study in selected topics in Sociology.

**402. SOCIAL WORK INTERVENTION STRATEGIES. 5 hours**  
A study of the conceptions, functions, and processes of various methods of social work through which the social functioning of individuals, groups, and communities may be enhanced. Emphasis will be on analyzing problem situations, then selecting appropriate goals and strategies of intervention.

# NORTH GEORGIA COLLEGE-LANIER AREA VOCATIONAL TECHNICAL SCHOOL

## COOPERATIVE PROGRAMS

The Cooperative Program listed below is taught jointly by North Georgia College and the Lanier Area Technical School in Gainesville, Georgia. The complete block of electronic courses will be taught by Lanier Tech and must be completed before being credited toward the Associate Degree in Electronic Technology at North Georgia College. The general education requirements will be taught by North Georgia College.

### ASSOCIATE OF SCIENCE DEGREE IN ELECTRONIC TECHNOLOGY

GENERAL EDUCATION REQUIREMENTS	HOURS CREDIT	ELECTRONICS COURSES	HOURS CREDIT
English 101 and 102	10	Electronics 101	5
Mathematics 119	5	Electronics 102	5
Political Science 101	5	Electronics 103	5
Physics 223	5	Electronics 201	5
Physics 224	5	Electronics 202	5
Physics 225	5	Electronics 203	5
History 100	5	Electronics 205	5
BA 221 or any other approved elective	5	Electronics 206	5
		Physics 340	5
		Physics 345	5

**MEMBERS OF THE BOARD OF REGENTS**  
**224 Washington Street, S.W., Atlanta, Georgia**

District	Regent	Address
State-at-Large	RUFUS B. COODY .....	Vienna
State-at-Large	MARIE W. DODD .....	Roswell
State-at-Large	JESSE HILL, JR. ....	Atlanta
State-at-Large	O. TORBITT IVEY, JR. ....	Augusta
State-at-Large	JOHN E. SKANDALAKIS .....	Atlanta
First District	ERWIN A. FRIEDMAN .....	Savannah
Second District	WILLIAM T. DIVINE, JR. ....	Albany
Third District	JOHN H. ROBINSON, III .....	Americus
Fourth District	SCOTT CHANDLER, JR. ....	Decatur
Fifth District	ELRIDGE W. MCMILLAN .....	Atlanta
Sixth District	LAMAR R. PLUNKETT .....	Bowden
Seventh District	LLOYD L. SUMMER, JR. ....	Rome
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Tenth District	JULIUS F. BISHOP.....	Athens

**OFFICERS AND STAFF OF THE BOARD OF REGENTS**

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Thomas E. Mann .....	Assistant Vice Chancellor - Facilities
Roger Mosshart .....	Assistant Vice Chancellor - Fiscal Affairs - Budgets
E. Beth Schwarzmüller .....	Assistatin Vice Chancellor - Research
Jacob H. Wamsley .....	Assistant Vice Chancellor - Fiscal Affairs

## The University System of Georgia

The University System of Georgia includes all state-operated institutions of higher education in Georgia—4 universities, 14 senior colleges, 15 junior colleges. These 33 public institutions are located throughout the state.

A 15-member constitutional Board of Regents governs the University System, which has been in operation since 1932. Appointments of Board members—five from the state-at-large and one from each of the state's 10 Congressional Districts—are made by the Governor, subject to confirmation by the State Senate. The regular term of Board members is seven years.

The Chairperson, the Vice Chairperson, and other officers of the Board are elected by the members of the Board. The Chancellor, who is not a member of the Board, is the chief executive officer of the Board and the chief administrative officer of the University System.

The overall programs and services of the University System are offered through three major components: Instruction; Public Service/Continuing Education; Research.

**Instruction** consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates.

Requirements for admission of students to instructional programs at each institution are determined, pursuant to policies of the Board of Regents, by the institution. The Board establishes minimum academic standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed in all cases to the institutions.

A Core Curriculum, consisting of freshman and sophomore years of study for students whose educational goal is a degree beyond the associate level, is in effect at the universities, senior colleges, and junior colleges. This Curriculum requires 90 quarter-credit-hours, including 60 in general education—humanities, mathematics and natural sciences—and 30 in the student's chosen major area of study. It facilitates the transfer of freshman and sophomore degree credits within the University System.

Instruction is conducted by all institutions.

**Public Service/Continuing Education** consists of non-degree activities, primarily, and special types of college-degree-credit courses.

The non-degree activities are of several types, including such as short courses, seminars, conferences, lectures, and consultative and advisory services, in a large number of areas of interest.

Non-degree public service/continuing education is conducted by all institutions.

Typical college-degree-credit public service/continuing education courses are those offered through extension center programs and teacher education consortiums.

**Research** encompasses investigations conducted primarily for discovery and application of knowledge. These investigations include clearly defined projects in some cases, non-programmatic activities in other cases. They are conducted on campus and at many off-campus locations.

The research investigations cover a large number and a large variety of matters related to the educational objectives of the institutions and to general societal needs.

Most of the research is conducted through the universities; however, some of it is conducted through several of the senior colleges.

The policies of the Board of Regents for the government, management, and control of the University System and the administrative actions of the Chancellor provide autonomy of high degree for each institution. The executive head of each institution is the President, whose election is recommended by the Chancellor and approved by the Board.

The University System Advisory Council, with 34 committees, engenders continual System-wide dialogue on major academic and administrative matters of all types. It also makes recommendations to the Chancellor, for transmittal to the Board of Regents as appropriate, regarding academic and administrative aspects of operation of the System.

The Advisory Council consists of the Chancellor, the Vice Chancellor, and all Presidents as voting members; and it includes other officials and staff members of the institutions as nonvoting members. The Advisory Council's 21 academic committees and 13 administrative committees are made up of representatives from the institutions. The committees dealing with matters of University System-wide application include, typically, at least one member from each institution.

State appropriations for the University System are requested by, and are made to, the Board of Regents. Allocations of the appropriations are made by the Board. The largest share of the state appropriations—approximately 52 percent—is allocated by the Board for Instruction. The percentages of funds derived from all sources for Instruction in the 1980-81 fiscal year were: 77 percent from state appropriations, 20 percent from student fees, 3 percent from other internal income of institutions.

## Institutions of the University System of Georgia

h—On-Campus Student Housing Facilities

Degrees Awarded: A—Associate; B—Bachelor's; J—Juris Doctor;  
M—Master's; S—Specialist in Education; D—Doctor's

### Universities

Athens 30602	Atlanta 30303
University of Georgia—h; B, J, M, S, D	Georgia State University—A, B, M, S, D
Atlanta 30332	Augusta 30912
Georgia Institute of Technology—h; B, M, D	Medical College of Georgia—h; A, B, M, D

### Senior Colleges

Albany 31705	Marietta 30061
Albany State College—h; A, B, M	Kennesaw College—A, B
Americus 31709	Marietta 30060
Georgia Southwestern College—h; A, B, M	Southern Technical Institute—h; A, B
Augusta 30910	Milledgeville 31061
Augusta College—A, B, M, S	Georgia College—h; A, B, M, S
Carrollton 30118	Savannah 31406
West Georgia College—h; A, B, M, S	Armstrong State College—A, B, M
Columbus 31993	Savannah 31404
Columbus College—h; A, B, M, S	Savannah State College—h; A, B, M
Dahlonega 30597	Statesboro 30460
North Georgia College—h; A, B, M	Georgia Southern College—h; A, B, M, S
Fort Valley 31030	Valdosta 31698
Fort Valley State College—h; A, B, M	Valdosta State College—h; A, B, M, S

### Junior Colleges

Albany 31707	Barnesville 30204
Albany Junior College—A	Gordon Junior College—h; A
Atlanta 30310	Brunswick 31523
Atlanta Junior College—A	Brunswick Junior College—A
Bainbridge 31717	Cochran 31014
Bainbridge Junior College—A	Middle Georgia College—h; A
	Dalton 30720
Dalton	Dalton Junior College—A
Rome	Douglas 31533
Marietta	South Georgia College—h; A
Carrollton	Gainesville 30403
Atlanta	Gainesville Junior College—A
Morrow	Macon 31297
Barnesville	Macon Junior College—A
Columbus	Morrow 30260
Milledgeville	Clayton Junior College—A
Americus	Rome 30161
Albany	Floyd Junior College—A
Tifton	Swainsboro 30401
Douglas	Emanuel County Junior College—A
Waycross	Tifton 31793
Brunswick	Abraham Baldwin Agri. College—h; A
Bainbridge	Waycross 31501
Valdosta	Waycross Junior College—A

University System of Georgia  
244 Washington Street, S.W.  
Atlanta, Georgia 30334

## ADMINISTRATION, FACULTY AND STAFF

### OFFICERS AND DIRECTORS OF ADMINISTRATION

John H. Owen, President, B.S.A., M.S., Ph.D.  
 Hugh I. Shott, II, Vice President for Academic Affairs, A.B., B.S., M.A., Ph.D.  
 William F. Gerspacher, Vice President - Business & Finance, B.S., M.B.A.  
 Gary R. Steffey, Registrar and Director of Admissions, B.B.A., M.B.A., M.Ed.  
 Martha M. Duval, Associate Registrar, B.S., M.Ed.  
 Thomas W. Dalton, Director of Public Relations and Alumni Services, A.B.J., M.A.  
 H. Michael Hyams, Jr., Dean of Students, B.S., M.Ed.  
 James C. Parks, Director of Development and Community Services, B.S.Ed., M.Ed., Ph.D.  
 Alan D. Theriault, Director of Student Center and Auxiliary Services, B.A., M.A.  
 William D. Bellamy, Director of Testing, A.B., M.R.E., M.S., Ph.D.  
 Katherine Hinz, Assistant Dean of Students, B.S., M.Ed.  
 Lawrence Mitchell Jr., Director of Continuing Education, A.B.J., M.A.  
 Jimmy L. Berrong, Director of Accounting, B.B.A., M.Ed.  
 Virgil McIntyre, Director of Computer Services, B.B.A., M.B.A.  
 Arnold Hulsey, Director of Financial Aid, B.A., M.Ed.  
 Randy Butler, Director of Plant Operations, B.S.A.E.  
 Billy Smith, Director of Student Recruiting, B.S.  
 H. Verne Smith, Director of Placement, B.B.A.  
 R. Olin Jackson, Director of Media Services, B.S., M.Ed..

### FACULTY AND STAFF

Meetings of the faculty are held at least once each quarter.

LINDA B. AUGUST (1972) ..... Associate Professor of Social Science  
 B.A., Wesleyan College; M.S.S.W., University of Tennessee.

DAVID W. BARNETT, JR. (1979) ..... Assistant Professor of Music  
 B.M.E., M.M.E. Florida State University; D.M.A., University of Miami.

NAOMI D. BECHTOLD (1981) ..... Assistant Professor of Nursing  
 R.N., Lancaster General Hospital; B.S.N., Eastern Mennonite College; M.N., Emory University.

GEORGE B. BELDEN (1971) ..... Associate Professor Education  
 B.A., M.S., Ph.D., Florida State University.

BIRDIE E. BELL (1966) ..... Assistant Professor of Physical Education  
 B.S., Alabama College; M.Ed., University of Arizona.

WILLIAM D. BELLAMY (1964) ..... Professor of Business Administration  
 A.B., Bob Jones University; M.R.E., New Orleans Baptist Theology Seminary; M.S., Ph.D., University of Southern Mississippi.

SIDNEY E. BENTON (1975) ..... Professor of Education  
 B.S., University of Montevallo; M.A., University of Alabama; Ed.D., University of Georgia.

ALLAN S. BICKLEY (1962) ..... Assistant Professor of Physical Education  
 B.S. Ed., M.Ed., University of Georgia.

KAYE T. BIDDY (1978) ..... Assistant Professor of Education  
 B.S., M.Ed., Georgia Southern College.

JOSEPH A. BIESBROCK (1970) ..... Professor of Biology  
 B.S., Utah State University; M.S., Ph.D., University of Georgia.

PAULA Y. BINGHAM (1973) ..... Assistant Professor of Social Work  
 B.S., University of Florida; M.A., University of South Florida.

North Georgia College

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Price, Mrs. Deborah . . . . .	Job Development and Placement Coordinator
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Eaton, Ms. Deborah . . . . .	Secretary, Graduate Education
Fortner, Mrs. Reba . . . . .	Secretary to Director of Public Relations
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McCaleb, Mrs. Edna . . . . .	Secretary, Department of Nursing
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Palmer, Mrs. Ola . . . . .	Cashier, Clerk I
Pinion, Ms. Patsy . . . . .	Accounting Clerk
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Vermillion, Mrs. Leron . . . . .	Secretary, Student Recruiting
Walden, Mr. Daniel . . . . .	Public Safety Officer
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Wehunt, Mrs. Robbie . . . . .	Secretary, Biology
West, Ms. Wilma . . . . .	Secretary, Military Department
Wigley, Mrs. Wanda . . . . .	Secretary, Education Department

**STANDING COMMITTEES, STATUTORY AND/OR ELECTIVE MEMBERSHIP****ACADEMIC ACTIVITIES**

— Shott (Chairman), Buckhiester, Callaham, Clark, Colbert, Tom Davis, Dennis, Ensley, Hill, Parks, Kinkaid, Miller, Oliver, Owens, Patram, Rensi, Cliff Brown (Student, Ex Officio)

**FACULTY EXECUTIVE COMMITTEE**

— Ellington, McLeod, Crannell, Woolfolk, Csomor, Fox

**COMMITTEE ON COMMITTEES**

— Bell (Elected), Rensi (Elected), Sharp (Appointed) Terrell (Appointed)

**GRADUATE COUNCIL**

— Saba (Chairman), Buckhiester, Callaham, Tom Davis, Rensi, Ellington, Kinkaid, Long, Miller, Oliver, Osborn, Owens, Raber, Ross, Sharp, Wade, Clark (Ex Officio), Shott (Ex Officio), Steffey (Ex Officio), Fox (At Large), Roberts (At Large), Leigh Orr (Graduate Student)

**ACADEMIC REVIEW**

— Shott (Chairman), Steffey, Martha Duval, Hinz, Bell, Biddy, Dobbs, Fox, Hill, Ladd, Noble

**ADMISSIONS**

— Steffey (Chairman), Colbert, Cosmor, Dalton, Jarrett, Kinkaid, Luques, Moore, Pandres, Saba

**ATHLETIC**

— Ensley, Hyams, Hinz, Dennis, Dykes, Jarrett, Jones, Negley, Sorohan, Craig Charles (Student), Olin Jackson (Ex Officio)

**DISCIPLINE**

— Shott (Ex Officio), Bickley, Bird, Coone, Fossum, McGahee, McLeod, Pearce (Student Representative when requested, select from) Mike Stieb, Ron Stephens, Lon Herring, Mary Beth Whechel, Lynn Ward, Terry Williams, Jeff Cleghorn

**HEALTH**

— Wherry, Hyams, Mary Duval, Gerspacher, August, Ensley, Gibson, Scanlin, Morgan, Parker, Raber, Janet Morgan (Student)

**MILITARY**

— Hyams, Hill, Long, Fore, Jackson, Richardson, Cadet Brigade Commander

**LIBRARY**

— Clark, Biesbrock, Bridges, Downing, Flesch, Hammond, Kahlan, Paul McClure, Oates, Patten, Reynolds, Richardson, Steele, Tallant, Terrell, True, Lynne Cory (Student)

**PUBLICATIONS**

— Dalton, Dykes (Faculty Advisor of Yearbook), Editor of Yearbook, Bridges, Conyers, Flesch, Gilbert, Jones, Lail, Tallant, True, Yarbrough, Olin Jackson (Ex Officio)

**STUDENT AID**

— Shott, Hyams, Hulsey, Gerspacher, Benton, Colbert, Dunn, Moore, Negley, Rensi

**TEACHER EDUCATION**

— Sharp (Chairman), Belden, Long, Osborn, Sorohan, Wade, Brock, Kinkaid, Miller, Mohr, Oliver, Owens, Raber, Rensi, Sisk, Tammy Page (Student)

**TRAFFIC APPEALS**

— Crannell (Regular), McGahee (Alternate), Russ Windham (Student)

**STUDENT HONORS**

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— Hyams, Hinz, Hill, Theriault, Lynn Ward (VP SGA), Elizabeth Allen (Pres SCB), Barnett, Boyers, Bridges, Brown, Dial, Gordon, Oates, Olin Jackson (Ex Officio)

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FACULTY SECRETARY**

— W. Guy Oliver

— William D. Bellamy

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